

Receiving Report

Date: 11/6/18

Batch No: M116623

Supplier: THYSSSENKRUPP

Dart P/O: 13280

Packing Slip: Yes ☒ No ☐
 Invoice: Yes ☐ No ☒
 Receipt: Cash ☐ Cr ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐
 Waybill Attached: Yes ☒ No ☐ N/A ☐
 Shipment Complete: Yes ☐ No ☒ N/A ☐
 QC6 Inspection 15 N/A ☐
 Work Order 110118 N/A ☒

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments
M7075T	73B2.500V032512	0	0	0	12	

Initials of receiver (if shipment OK) Level 12 [Signature]

Production/Admin: [Signature]
 Date: 11/6/18
 Received/Costing: [Signature]
 Initial: [Signature]

Location _____

Purchase Order Receipt Listing

Page 1 of 2

Tuesday, January 18, 2011 1:24:00 PM

All amounts are calculated in domestic currency.

All Vendors PO ID PO13280 Receipt Dates from 1/18/2011 to 1/18/2011 All Line Item Types

All Item ID/GL/WOs All Rec. Employees All Currencies

Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
VendorID/Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO13280	1		M304S16GA	sf	1/19/2011	1/18/2011	256.0000	\$5.13	0.0000	0	\$1,314.05
CAD	No		304/316 Sheet .063	sf	256.0000	DESJ02		\$1,314.05	0.0000	0	
			116623								
	2		M304S20GA	sf	1/19/2011	1/18/2011	96.0000	\$3.15	0.0000	0	\$302.40
	No		304/316 .040 Sheet	sf	96.0000	DESJ02		\$302.40	0.0000	0	
			116623								
	3		M304S11GA	sf	1/19/2011	1/18/2011	64.0000	\$10.27	0.0000	0	\$657.37
	No		304/316 0.125 Sheet	sf	64.0000	DESJ02		\$657.37	0.0000	0	
			116623								
	4		M6061T6S.063	sf	1/19/2011	1/18/2011	144.0000	\$4.30	0.0000	0	\$619.20
	No		6061-T6 .063 Sheet	sf	96.0000	DESJ02		\$619.20	0.0000	0	
			116623								
	5		M304RO.750	f	1/19/2011	1/18/2011	24.0000	\$3.68	0.0000	0	\$88.20
	No		304 SS Roundbar .750	f	24.0000	DESJ02		\$88.20	0.0000	0	
			116623								
	6		M6061T6B0.500X02. f	f	1/19/2011	1/18/2011	24.0000	\$3.30	0.0000	0	\$79.20
	No		500 6061-T6 Bar .500 x	f	24.0000	DESJ02		\$79.20	0.0000	0	
			2.50 116623								
	7		M6061T6B0.750X01. f	f	1/19/2011	1/18/2011	48.0000	\$2.98	0.0000	0	\$142.99
	No		500 6061-T6 Bar .750 X	f	48.0000	DESJ02		\$142.99	0.0000	0	
			1.50 116623								
	8		M6061T6B1.000X02. f	f	1/19/2011	1/18/2011	24.0000	\$5.32	0.0000	0	\$127.60
	No		000 6061-T6 Bar 1.00 x	f	24.0000	DESJ02		\$127.60	0.0000	0	
			2.00 116623								

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
VendorID\Vendor Name			VC-COP001 Thyssenkrupp Materials CA Ltd								
PO13280	9		M6061T6B2.000X01. f 250		1/19/2011	1/18/2011	24.0000	\$6.60	0.0000	0	\$158.40
CAD	No		6061-T6 Bar 2.00 x f 1.25 116623		24.0000	DESI02		\$158.40	0.0000	0	
	10		M6061T6H1.000 f		1/19/2011	1/18/2011	12.0000	\$2.20	0.0000	0	\$26.40
	No		6061-T6 HexBar 1.00 f 116623		12.0000	DESI02		\$26.40	0.0000	0	

SHIP FROM: [REDACTED] B I L L O F L A D I N G
THYSSENKRUPP MATERIALS, NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 9057389033

No: 1794
Ship Date 17Jan11 at 10:59 From PFW
Probill T151240
Via APEXMOTOR-PEC
FOB CONCORD
Frt PREPAID
Route 0-140 Manifest
Vhcle Trailer
Slp TRINA VINCE (905-532-1365)
Sold To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
Tel: 613-632-9577 Fax: 613-632-1053

B I L L O F L A D I N G

1) Our Order PEC-291250- 1 Your PO # 13280
Part # Rel # CHANTAL

STAINLESS STEEL SHEET 304-2B

.0600 Nom X 48.0000" X 96.0000"

Heat Number Tag No
94S54784 154576

Quantity PCS Wt LBS
✓ 256.00 SFT 8 612

MTR

2) Our Order PEC-291250- 2 Your PO # 13280
Part # Rel # CHANTAL

STAINLESS STEEL SHEET 304-2B

.0360 Nom X 48.0000" X 96.0000"

Heat Number Tag No
376954 154577

Quantity PCS Wt LBS
✓ 96.00 SFT 3 138

MTR

3) Our Order PEC-291250- 3 Your PO # 13280
Part # Rel # CHANTAL

STAINLESS STEEL SHEET 304-2B

.1200 Nom X 48.0000" X 96.0000"

Heat Number Tag No
YU257004 154578

Quantity PCS Wt LBS
✓ 64.00 SFT 2 311

MTR

4) Our Order PEC-291250- 4 Your PO # 13280
Part # Rel # CHANTAL

ALUMINUM SHEET 6061 T6

.0640 Nom X 48.0000" X 144.0000"

Heat Number Tag No
11649/01 154613

Quantity PCS Wt LBS
✓ 144.00 SFT 3 126

MTR

Page: 1Continued

FAXED

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

B I L L O F L A D I N G

No: PEC 691794

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 9057389033

Ship Date 17Jan11 at 10:59 From PFW
Probill T151240
Via APEXMOTOR-PEC
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp TRINA VINCE (905-532-1365)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

5) Our Order PEC-291250- 5 Your PO # 13280
Part # Rel # CHANTAL
STAINLESS STEEL ROUND BAR 304L
.750" DIA X 144.0000"

MTR

Heat Number	Tag No	Quantity	PCS	Wt LBS
7TY7	154460	✓ 24 FT	2	37

6) Our Order PEC-291250- 6 Your PO # 13280
Part # Rel # CHANTAL
ALUMINUM FLAT BAR 6061-T6511
.50" x 2.50" X 144.0000"

MTR

Heat Number	Tag No	Quantity	PCS	Wt LBS
201016493	154461	✓ 24 FT	2	35

7) Our Order PEC-291250- 7 Your PO # 13280
Part # Rel # CHANTAL
ALUMINUM FLAT BAR 6061-T6511
.750" X 1.50" X 144.0000"

MTR

Heat Number	Tag No	Quantity	PCS	Wt LBS
11541	154462	✓ 48 FT	4	64

8) Our Order PEC-291250- 8 Your PO # 13280
Part # Rel # CHANTAL
ALUMINUM FLAT BAR 6061-T6511
1.00" x 2.00" X 144.0000"

MTR

Heat Number	Tag No	Quantity	PCS	Wt LBS
11798	154463	✓ 24 FT	2	56

9) Our Order PEC-291250- 9 Your PO # 13280
Part # Rel # CHANTAL
ALUMINUM FLAT BAR 6061-T6511
1.250" x 2.00" X 144.0000"

MTR

Heat Number	Tag No	Quantity	PCS	Wt LBS
20589458	154464	✓ 24 FT	2	71

Page: 2Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
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RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

B I L L O F L A D I N G

No: PEC 691794

Ship From:
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 9057389033

Ship Date 17Jan11 at 10:59 From PFW
 Probill T151240
 Via APEXMOTOR-PEC
 FOB CONCORD
 Frt PREPAID
 Route 0- 0 Manifest
 Vhcle Trailer
 Slp TRINA VINCE (905-532-1365)
 Sold To: (20115)
 DART AEROSPACE

Ship To: (1)
 DART AEROSPACE

B I L L O F L A D I N G

10) Our Order PEC-291250- 10 Your PO # 13280
 Part # Rel # CHANTAL
 ALUMINUM HEXAGON BAR 6061-T6511
 1.00" X 144.0000"

Heat Number	Tag No	Quantity	PCS	Wt LBS
20448328	154465	12 FT	1	13

TOTAL:	Tags	PCS	LBS
	10	29	1463

Heat Number
 11541
 11649/01
 11798
 201016493
 20448328
 20589458
 376954
 7TY7
 94S54784
 YU257004

*** Chemical Analysis ***

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
 WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
 TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
 ** REFERENCED ON IT **

TOTAL 2 SKIDS, 1 BDL G.W. 1640 LBS

ITEMS (1,2,3) SKID
 ITEM (4) SKID
 ITEMS (5 TO 10) BDL

Page: 3Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
 RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

B I L L O F L A D I N G

No: PEC 691794

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 9057389033

Ship Date 17Jan11 at 10:59 From PFW
Probill T151240
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FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp TRINA VINCE (905-532-1365)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
CONCORD, ONT.* *** 9:00 AM TO 4:00 PM ***
**** TEL. 800-926-2600 ****

* WE STOCK STAINLESS STEEL *
* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$15.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER AS OF DEC 8/08.***

Page: 4 Last

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

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RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

PO/Rel 13280

/CHANTAL

Certificate of Mill Test Results

STAINLESS STEEL SHEET 304-2B

0600 Nom X 48.0000" X 96.0000"

PART NO.

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

BL-PEC-691794-001 17Jan11

Pg 1/1

MILL TEST REPORT

TA CHEN INTERNATIONAL, INC.

This MTR contains 1 page (Page# 1)

Customer: COPCON PO#:PEC-224493 SO#:PH3124

MTR#:YC-L050273-05.GIF

Item:16GA48963042B Bundle:Z99040087-058 Heat#:94S54784

MILL TEST REPORT

EN 10204-3.1/DIN 50903.1B



Commodity: PRIMARY COLD ROLLED STAINLESS STEEL SHEET

Customer: TA CHEN INTERNATIONAL, INC.

SAI 304 2B FINISH WITH PAPER INTERLEAVED

Shipper: TA CHEN STAINLESS PIPE CO., LTD.

TA CHEN STAINLESS PIPE CO., LTD.

Specification: ASTM A240/480

Destination: CHICAGO

NO. 125 HSIN-TIEN 2ND ST, HSIN-TIEN

JENG-TEH, TAINAN, TAIWAN

TEL: (06)2793254 FAX: (06)2701382

COUNTRY ORIGIN: TAIWAN

304

Customer's PO#: L28605

Certificate No.: YC-L050273-05

(Page 5/7)

Factory O/N: QA02K4163A

Date: 05/28/10

Invoice No.: QA02KS0150

Item No.	Bundle No.	Heat No.	Size	Quantity Pcs	Weight Kgs	Chemical Composition in %										
						C	Si	Mn	P	S	NI	Cr	Mo	N	Cu	
21	Z99040087-052	94S52957	14GA X 48.0" X 120"	32	1736	0.051	0.520	1.150	0.037	0.005	8.080	18.110		0.028	0.340	
22	Z99040087-053	94S52957	14GA X 48.0" X 120"	32	1736	0.051	0.520	1.150	0.037	0.005	8.080	18.110		0.028	0.340	
23	Z99040087-054	94S52957	14GA X 48.0" X 120"	32	1736	0.051	0.520	1.150	0.037	0.005	8.080	18.110		0.028	0.340	
24	Z99040087-055	94S52958	14GA X 48.0" X 120"	32	1736	0.051	0.520	1.150	0.037	0.005	8.080	18.110		0.028	0.340	
25	Z99040087-068	94S54784	16GA X 43.0" X 96"	50	1732	0.049	0.540	1.300	0.008	0.005	8.070	18.160		0.034	0.300	

Item No.	Tensile Test				Hardness Test HRB	Bend Test	Heat Treatment TEMP. °F	Dimension And Surface Condition	Remarks
	0.2% Yield Strength PSI	Tensile Strength PSI	Elongation %	Reduction of Area %					
21	43960	91840	52		86		1930		1.EQUIVALENT TO ASME SA240/480-05/06/07/08/09/10/11/12/13/14/15/16/17/18/19/20/21/22/23/24/25/26/27/28/29/30/31/32/33/34/35/36/37/38/39/40/41/42/43/44/45/46/47/48/49/50/51/52/53/54/55/56/57/58/59/60/61/62/63/64/65/66/67/68/69/70/71/72/73/74/75/76/77/78/79/80/81/82/83/84/85/86/87/88/89/90/91/92/93/94/95/96/97/98/99/100/101/102/103/104/105/106/107/108/109/110/111/112/113/114/115/116/117/118/119/120/121/122/123/124/125/126/127/128/129/130/131/132/133/134/135/136/137/138/139/140/141/142/143/144/145/146/147/148/149/150/151/152/153/154/155/156/157/158/159/160/161/162/163/164/165/166/167/168/169/170/171/172/173/174/175/176/177/178/179/180/181/182/183/184/185/186/187/188/189/190/191/192/193/194/195/196/197/198/199/200/201/202/203/204/205/206/207/208/209/210/211/212/213/214/215/216/217/218/219/220/221/222/223/224/225/226/227/228/229/230/231/232/233/234/235/236/237/238/239/240/241/242/243/244/245/246/247/248/249/250/251/252/253/254/255/256/257/258/259/260/261/262/263/264/265/266/267/268/269/270/271/272/273/274/275/276/277/278/279/280/281/282/283/284/285/286/287/288/289/290/291/292/293/294/295/296/297/298/299/300/301/302/303/304/305/306/307/308/309/310/311/312/313/314/315/316/317/318/319/320/321/322/323/324/325/326/327/328/329/330/331/332/333/334/335/336/337/338/339/340/341/342/343/344/345/346/347/348/349/350/351/352/353/354/355/356/357/358/359/360/361/362/363/364/365/366/367/368/369/370/371/372/373/374/375/376/377/378/379/380/381/382/383/384/385/386/387/388/389/390/391/392/393/394/395/396/397/398/399/400/401/402/403/404/405/406/407/408/409/410/411/412/413/414/415/416/417/418/419/420/421/422/423/424/425/426/427/428/429/430/431/432/433/434/435/436/437/438/439/440/441/442/443/444/445/446/447/448/449/450/451/452/453/454/455/456/457/458/459/460/461/462/463/464/465/466/467/468/469/470/471/472/473/474/475/476/477/478/479/480/481/482/483/484/485/486/487/488/489/490/491/492/493/494/495/496/497/498/499/500/501/502/503/504/505/506/507/508/509/510/511/512/513/514/515/516/517/518/519/520/521/522/523/524/525/526/527/528/529/530/531/532/533/534/535/536/537/538/539/540/541/542/543/544/545/546/547/548/549/550/551/552/553/554/555/556/557/558/559/560/561/562/563/564/565/566/567/568/569/570/571/572/573/574/575/576/577/578/579/580/581/582/583/584/585/586/587/588/589/590/591/592/593/594/595/596/597/598/599/600/601/602/603/604/605/606/607/608/609/610/611/612/613/614/615/616/617/618/619/620/621/622/623/624/625/626/627/628/629/630/631/632/633/634/635/636/637/638/639/640/641/642/643/644/645/646/647/648/649/650/651/652/653/654/655/656/657/658/659/660/661/662/663/664/665/666/667/668/669/670/671/672/673/674/675/676/677/678/679/680/681/682/683/684/685/686/687/688/689/690/691/692/693/694/695/696/697/698/699/700/701/702/703/704/705/706/707/708/709/710/711/712/713/714/715/716/717/718/719/720/721/722/723/724/725/726/727/728/729/730/731/732/733/734/735/736/737/738/739/740/741/742/743/744/745/746/747/748/749/750/751/752/753/754/755/756/757/758/759/760/761/762/763/764/765/766/767/768/769/770/771/772/773/774/775/776/777/778/779/780/781/782/783/784/785/786/787/788/789/790/791/792/793/794/795/796/797/798/799/800/801/802/803/804/805/806/807/808/809/810/811/812/813/814/815/816/817/818/819/820/821/822/823/824/825/826/827/828/829/830/831/832/833/834/835/836/837/838/839/840/841/842/843/844/845/846/847/848/849/850/851/852/853/854/855/856/857/858/859/860/861/862/863/864/865/866/867/868/869/870/871/872/873/874/875/876/877/878/879/880/881/882/883/884/885/886/887/888/889/890/891/892/893/894/895/896/897/898/899/900/901/902/903/904/905/906/907/908/909/910/911/912/913/914/915/916/917/918/919/920/921/922/923/924/925/926/927/928/929/930/931/932/933/934/935/936/937/938/939/940/941/942/943/944/945/946/947/948/949/950/951/952/953/954/955/956/957/958/959/960/961/962/963/964/965/966/967/968/969/970/971/972/973/974/975/976/977/978/979/980/981/982/983/984/985/986/987/988/989/990/991/992/993/994/995/996/997/998/999/1000/1001/1002/1003/1004/1005/1006/1007/1008/1009/1010/1011/1012/1013/1014/1015/1016/1017/1018/1019/1020/1021/1022/1023/1024/1025/1026/1027/1028/1029/1030/1031/1032/1033/1034/1035/1036/1037/1038/1039/1040/1041/1042/1043/1044/1045/1046/1047/1048/1049/1050/1051/1052/1053/1054/1055/1056/1057/1058/1059/1060/1061/1062/1063/1064/1065/1066/1067/1068/1069/1070/1071/1072/1073/1074/1075/1076/1077/1078/1079/1080/1081/1082/1083/1084/1085/1086/1087/1088/1089/1090/1091/1092/1093/1094/1095/1096/1097/1098/1099/1100/1101/1102/1103/1104/1105/1106/1107/1108/1109/1110/1111/1112/1113/1114/1115/1116/1117/1118/1119/1120/1121/1122/1123/1124/1125/1126/1127/1128/1129/1130/1131/1132/1133/1134/1135/1136/1137/1138/1139/1140/1141/1142/1143/1144/1145/1146/1147/1148/1149/1150/1151/1152/1153/1154/1155/1156/1157/1158/1159/1160/1161/1162/1163/1164/1165/1166/1167/1168/1169/1170/1171/1172/1173/1174/1175/1176/1177/1178/1179/1180/1181/1182/1183/1184/1185/1186/1187/1188/1189/1190/1191/1192/1193/1194/1195/1196/1197/1198/1199/1200/1201/1202/1203/1204/1205/1206/1207/1208/1209/1210/1211/1212/1213/1214/1215/1216/1217/1218/1219/1220/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A company
of ThyssenKrupp
Steels

ThyssenKrupp Mexinox



TEST REPORT (CERTIFICADO)

CUSTOMER (CLIENTE)

MEXINOX USA

MILL ORDER No. No. DE PEDIDO	9267 - 6	PACKAGE (EMPAQUE) No. H5192410	00
CUSTOMER PURCHASE ORDER No.		DATE (FECHA)	AUG-09-10
CODE PART NUMBER		REPORT (CERTIFICADO) No.	FC1842

PRODUCT IDENTIFICATION IDENTIFICACION DEL PRODUCTO

ITEM No.	COIL No. No. DE ROLLO	PIECES PIEZAS	HEAT COLADURA	TYPE AND FINISH TIPO Y ACABADO	DIMENSIONS DIMENSIONES	GROSS WT. PESO BRUTO	NET WT. PESO NETO
1	43ACA7 (KIAJ)	45	378954	304 / 2B UNS S30400	48.00 X 96.00 X .0360 1219.20 X 2438.40 X .892	2,205 1,000	2,019 916

CHEMICAL COMPOSITION COMPOSICION QUIMICA (%)

ITEM	C	Cr	Mn	N	Ni	P	S	Si	OTHER ELEMENTS (OTROS ELEMENTOS)
1	.0480	18.2700	1.5000	.0604	8.0500	.0250	.0010	.4300	

MECHANICAL PROPERTIES PROPIEDADES MECANICAS

ITEM No.	TEST No. No. MUESTRA	D	TENSILE S. R. TENSION	YIELD S. R. FLUENCIA	ELONGATION ALARGAMIENTO	HARDNESS DUREZA HRB
1	A838530 A838555	L	99060 psi 683 MPa	50038 psi 345 MPa	54.5	(HEAD / TAIL) 85.0 / 85.0

HEAT SOURCE: SOUTH AFRICA

THIS MATERIAL COMPLIES WITH CHEMICAL COMPOSITION ACCORDING TO ASTM A 240/A 240M-09a STD. NOM. AND IT COMPLIES ALSO WITH THE MECHANICAL AND CHEMICAL PROPERTIES ESTABLISHED IN THE FOLLOWING STD.:
ASME SA240-07, QQ-S-766-D, MIL-S-5059-D, AMS 5513J.

"THIS MATERIAL IS FREE OF MERCURY CONTAMINATION"



MEXINOX
ACERO INOXIDABLE

We hereby certify that in recognition of the terms and conditions set forth in the EU RoHS Directive -2002/95/EC, we can insure that all of our products and processes fully comply with it.

HECHO EN MEXICO / MADE IN MEXICO

ELABORATED BY
Carlos Balderas Salazar

PRINTED: 8:54:27 SEP-10-10

FORMA TO ME 38-107-10-R-9-2

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL SHEET 304-2B

1200 Nom X 48.0000" X 96.0000"

PART NO.

PO/Rel 13280

/CHANTAL

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results

BL PEC-691794-003

17Jan11

Pg 1/1



YIEH MAU CORP.

INVOICE NO. :
COMMODITY :

F10M619R1
PRIME COLD ROLLED STAINLESS STEEL SHEET

SPECIFICATION
CUSTOMER

AISI 304 ASTM A240/A480 and ASME SA240/SA480
OLBERT METAL SALES LIMITED

MILL TEST CERTIFICATES

8/10/18

315, SHUN AN RD. LIT CHIT TSIANG
KAOHSIUNG HSIEN TAIWAN R.O.C.
TEL: (07) 6972885 FAX: (07) 6973006
CERTIFICATE NO: F10M619R1
DATE OF ISSUE: 06/10/2011

SIZE	NO.	Weight (N.W.)		Heat No	ID NO	Physical Properties Tensile Test CL=50 mm					Chemical Composition (%)									
		KGS	LBS			YS (N/mm ²)	TS (N/mm ²)	EL (%)	HRB	HV	C x100	Si x100	Mn x100	P x100	S x100	Ni x100	Cr x100	N x100		
304 2B PT																				
110A X 48" X 96"	1	3,677	3,697	YU257004	95S57841A-14	349	670	53	87	180	4.8	47	130	38	3	806	1825	2.2		
110A X 48" X 96"	1	3,677	3,697	YU257004	95S57841A-14	349	670	53	87	180	4.8	47	130	38	3	806	1825	2.2		
110A X 60" X 120"	1	3,311	2,890	YU161916	96S60839A-11	312	656	54	87	180	4.9	51	117	38	2	802	1809	2.4		
110A X 60" X 120"	1	3,312	2,892	YU161916	96S60839A-12	312	656	54	87	180	4.9	51	117	38	2	802	1809	2.4		
120A X 48" X 96"	1	3,770	3,770	YU257045	96S60839A-13	312	656	54	87	180	4.9	51	117	38	2	802	1809	2.4		
120A X 48" X 96"	1	3,682	3,708	YU267045	95S58128AA-12	315	627	54	87	179	4.8	52	130	34	3	802	1815	2.9		
140A X 60" X 120"	1	3,611	3,616	YU161773	96S59578B-2	305	659	54	86	173	4.9	51	98	39	3	803	1809	2.4		
140A X 60" X 120"	1	3,643	3,627	YU161773	96S59578B-3	305	659	54	86	173	4.9	51	98	39	3	803	1809	2.4		
160A X 48" X 96"	1	3,638	3,611	YU160802	94S53288A-7	298	642	54	82	161	4.2	52	117	38	3	809	1825	3.3		
160A X 48" X 96"	1	3,701	3,750	YU160802	94S53288A-1	298	642	54	82	161	4.2	52	117	38	3	809	1825	3.3		
180A X 48" X 96"	1	3,718	3,788	YU160940	94S52289B-2	305	631	53	85	170	4	45	131	31	7	804	1815	2.9		
200A X 48" X 96"	1	3,700	3,748	YU256328	98S51627B-221	298	671	63	85	172	4.1	47	112	34	8	804	1817	1.7		
240A X 48" X 96"	1	3,697	3,741	YU256084	93S49363AB-1	291	649	55	85	172	4.3	52	100	31	5	806	1832	5.2		
240A X 48" X 96"	1	3,697	3,741	YU256084	93S49363AB-2	291	649	55	85	172	4.3	52	100	31	5	806	1832	5.2		
304 N4 LASER																				
140A X 48" X 120"	1	3,127	3,146	YU256968	95S58168-113	296	645	54	86	173	5.1	46	121	38	2	814	1817	2.3		
140A X 48" X 120"	1	3,132	3,157	YU256968	95S58168-18	296	645	54	86	173	5.1	46	121	38	2	814	1817	2.3		
140A X 48" X 120"	1	3,128	3,148	YU256968	95S58168-19	296	645	54	86	173	5.1	46	121	38	2	814	1817	2.3		
160A X 48" X 96"	1	3,701	3,750	YU160800	93S51165AB-11	293	652	54	81	157	3.9	49	112	32	4	809	1810	2.3		
160A X 48" X 120"	1	3,692	3,730	YU160800	93S51165AB-12	293	652	54	81	157	3.9	49	112	32	4	809	1810	2.3		
180A X 48" X 96"	1	3,681	3,662	YU160940	94S52239A-12	305	631	53	85	170	4	45	131	31	7	804	1815	2.9		
180A X 48" X 120"	1	3,684	3,735	YU160940	94S52239A-11	305	631	53	85	170	4	45	131	31	7	804	1815	2.9		
200A X 48" X 96"	1	3,683	3,710	YU256754	95S55918A-22	296	654	54	86	174	4.1	52	104	36	2	809	1818	2.8		
200A X 48" X 120"	1	3,684	3,680	YU256754	95S55918A-24	286	654	54	86	174	4.1	52	104	36	2	809	1818	2.8		
TOTAL:	24	38,460	81,758																	
Remarks: NO MERCURY CONTAMINATION																				

Results: NO MERCURY CONTAMINATION
YIE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN MADE IN ACCORDANCE WITH THE RULES OF THE MILL CERTIFICATE.

Send test report for all Heat No

YIEH MAU CORP.

Lin Kuo Hsing
Manager of Quality Assurance Section

Pg 1/1
30Jan11

BL TO -007289-007

PO/Rel PEC-225932

THYSSENKRUPP MATERIALS NA
STAINLESS CR SHEET 304 #4 LASER PVC
18 GA (.0469 - .0453) X 48.0000" X 96.0000"
PART NO.



Abnahmeprüfzeugnis 3.1 (EN 10204) Inspection certificate – mill certificate

Nr.: 85329436 01 / 5

Rev. 0

Seite / page: 1 von / of 2

Datum / date: 2010 10 18

Zertifiziert nach / certified to ISO 9001, ISO/TS 16949, ENAS 9100, ISO 14001, NADCAP

Auftraggeber / customer: ThyssenKrupp Materials NA 2821 Langstaff Rd CDN-L4K 5C6 CONCORD, ON	Bestell Nr. / order no.: PEC-224981 Datum / date: 2010 09 29
Warenempfänger / consignee: ThyssenKrupp Materials NA 2821 Langstaff Rd CDN-L4K 5C6 CONCORD, ON	Auftragsbest. Nr. / order confirm. no.: 618747 Datum / date: 2010 09 30
Endkunde, Bestell-Nr. / Your cust., ord. no.:	Lieferschein Nr. / delivery note: 85329436 Datum / date: 2010 10 18
	Akkreditiv Nr. / letter of credit no.:

Produkt/product Form / form: Sheet Werkstoff / material: 6061 Zustand / temper: T6 Dim. / dim: [inch]: 0,063x48,00x144,00 Kundenartikel-Nr / customer article no.:	Bedingungen/terms Techn. Lieferbedingungen / techn. spec.: AMS-QC-A-250/11, 08.1997 ASTM B 209 - 07 Material meets also the mech. properties of AMS 4027N, 07.2008, but not marked ANSI H35.2-2009 ASME SB 209, 2007 Sondervorschrift / special terms:
--	---

AB-Pos. ord.-item	BNr/Los/Teller Lot/No./Part	Guss-Nr. cast no.	Werkstoff material	Kello packno.	Gewicht netto weight net	Stk. pcs.
01	11649/01/00	80/0068011/0	6061.1	6187470001	4007,937 lbs	97

Chemische Zusammensetzung / chemical composition: [%] Gewichtanteile / weight proportion										
Guss Nr. / cast no.	AMAG designation	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti
80/0068011/0	6061.1									
	actual	0,63	0,45	0,21	0,08	0,82	0,16	0,01	0,03	0,05

Zugversuch / Tensile test										
BNr/Los Lot/No.	Zustand temper	Richtung direction			Rm [ksi]	Rp0.2 [ksi]	A2" [%]			
11649/01	T6	LT			47,1	39,3	16			
11649/01	T6	LT			46,0	39,2	16			
11649/01	T6	LT			46,7	38,9	16			
11649/01	T6	LT			46,7	39,0	16			
11649/01	T6	LT			46,8	39,2	16			
11649/01	T6	LT			46,7	39,0	16			
11649/01	T6	LT			46,7	39,0	17			
11649/01	T6	LT			46,8	39,0	17			
11649/01	T6	LT			46,6	38,7	17			

ALUMINUM SHEET 6061 T6
0640 Nom X 48.0000" X 144.0000"
PART NO.

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Signed by _____ Pg 2/2



Abnahmeprüfzeugnis 3.1 (EN 10204)
Inspection certificate – mill certificate

Nr.: 85329436 01 / 5

Rev. 0

Seite / page: 2 von / of 2

Datum / date: 2010 10 18

Zertifiziert nach / certified to ISO 9001, ISO/TS 16949, ENAS 9100, ISO 14001, NADCAP

Es wird bestätigt, dass die Lieferung geprüft wurde und den Vereinbarungen bei der Bestellung entspricht.
We hereby certify that the material described above has been tested and complies with the terms of the order contract.

Werkssachverständiger / factory specialist	E-Mail / e-mail
Josef Klampfer	j.klampfer@amag.at

Herstellerland: Österreich / goods origin: The goods are of Austrian origin.
Maschinell erstellt - Gültig ohne Unterschrift / Automated - valid without being signed.

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
STAINLESS STEEL ROUND BAR 304L
.750" DIA X 144.0000"
PART NO.

PO/Rel 13280 /CHANTAL
We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-691794-005 17Jan11
Pg 1/1



METALLURGICAL TEST REPORT

NORTH AMERICAN STAINLESS
6870 HIGHWAY 42 EAST
GHENT, KY 41045

6870 HIGHWAY 42 EAST

Certificate: 608974 11

Customer: 007206 001

Mail To:
THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Ship To:
THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Date: 12/29/2010 Page: 1

Steel: 304/304L

Finish: CD

Your Order: PEC226964

NAS Order: IN 0108945 06

Corrosion: ASTM A262 Prac A/E

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
UNS 30400/30403 EN 10204 3.1, ASTM A484/08
ASTM A276/08A, ASTM A479/08, ASTM A182/08A CHEM ONLY,
~~ASTM A347/07~~, ASME SA182/08A CHEM ONLY
AMS 5639H, AMS 5647H, AMS QQS-763B, QQS-763F

REMARKS:

COMPLIES W/REQUIREMENTS OF DFARS EU DIRECTIVE 2002.95.
EC. ROHS. EAF+AOD+CC. NO WELD REPAIR. MELTED AND MFG IN USA
FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Product Id	Skid #	Diameter	Size	Weight	-----Length-----	Mark	Pieces	Commodity Code
BD4237 2		.7500		1.010	144.00	9	1	

CHEMICAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

HEAT	CM	C	CO	CR	CU	NI	MO	N	NI	P
7TY7	US	.0199	.1420	18.1355	.4685	1.4800	.3445	.0725	8.5205	.0340
		S	SI							
		.0220	.1940							

MECHANICAL PROPERTIES

Product Id	1 d o i c r	HB No.	.2YS KSI	UTS KSI	RA %	Elong % 4D
BD4237 2	R L	181.00	76.69	100.92	72.33	47.84

NAS hereby certifies that the analysis on this certification is correct and the material meets the specifications stated.

QC ENGINEER

ERIC HESS

12/29/2010

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

ALUMINUM FLAT BAR 6061-T6511
50" x 2.50" x 1/4" 0806

PART NO.



SERVICE CENTER METALS
5850 Quality Way
Prince George, VA 23875

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

OUR ORDER NUMBER	ITEM
119935	14

BILL TO
ThyssenKrupp Materials NA

SHIP TO
ThyssenKrupp Materials NA VIM

MANIFEST NUMBER
121382

CUSTOMER PO
VIM-473

CUSTOMER PART NUMBER
RB0097

QUANTITY CERTIFIED
617 lbs 35pcs

DIE NUMBER
RB0097

DATE OF SHIPMENT
12/28/2010

ALLOY / TEMPER
6061-T6511

SALESPERSON
David Schroeder

DESCRIPTION
SCRB .500x2.500

CERTIFICATION
ASTM-B221-08 StencilContinuous

SPECIFICATION
AMS-QQA-200/8

S
11/01/12

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. SCM extrusions are manufactured in the USA from ingot melted and cast in the United States or Canada.

Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6

Mechanical Properties

Test No.	Lot No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
1	201016493	12/17/10	45.7	42.7	14.4
2	201016493	12/17/10	47.2	43.7	13.2
3	201016493	12/17/10	48.6	44.8	14.1

Chemical Composition for Alloy 6061

Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Other	Each	Total	Al	Melted In
6061	Max 0.8	0.7	0.40	0.15	1.2	0.35	0.25	0.15	0.05	0.15		Remainder	
	Min 0.40	-	0.15	-	0.8	0.04	-	-					

United States of America

Rev 006/07 UMS

Print Date: 12/28/2010

Calvin J. Wiggins, Director of Quality & Technical Services

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

PO/Rel 13280

/CHANTAL

Certificate of Mill Test Results

ALUMINUM FLAT BAR 6061-T6511
750" X 1.50" X 144.0000"

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

BL PEC 691794-007 17Jan11
Signed by _____ Pg 1/1

PART NO

CAN ART

ALUMINUM EXTRUSION INC.

Manifest 223803

Material Test Report

Customer Ship To:

ThyssenKrupp Materials NA
2821 Langstaff Road

Concord

ON L4K 5C6

Our Order: 373472 - 4

Your PO # 225730

Part # 05726-000-144

Die: ES05726

Description: .750 x 1.500

Alloy Temper 6061 T6511

Print Date: 11/15/2010

Chemical Composition

Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	others each	others total	Al
0.40-0.8	0.7 max	0.15-.40	0.15 max	0.8-1.2	0.04-0.35	0.25 max	0.15	0.05	0.15	remain

Mechanical Properties

Strength ksi

Test ID	Lot	Test Date	CastNum	Ultimate	Yield (2% Offset)	Elongation (2" gage length)	Skid #
122926	A	11/15/10	11541	39.76	35.12	12.40	5163349

S
11/15/10

Applicable Specifications: ASTM B221-06 ASTM B308 ASTM B429 QQA200/8 QQA200/16

Can Art Aluminum Extrusion Inc. certifies that materials shipped under this order have been inspected and tested in accordance with Aluminum Association and agreed upon customer specifications. Can Art assumes no liability for additional costs which may be incurred during the customer's manufacture and sale of its products, and is subject only to the replacement of any materials not within agreed upon specifications provided written notification is received by Can Art within 30 days from the date of shipment.

Jason Carlson - Tensile Testing

Authorized


Evan Eng, Quality Assurance Mgr.

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511

1.00" X 2.00" X 144.0000"

PART NO.

PO/Rel 13280

/CHANTAL

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results

BL PEC-691794-008

17Jan11

Pg 1/1



TEL: (416)745-4444 FAX: (416)745-0925 1-800-668-7210
411 CHRISLEA ROAD, WOODBRIDGE, ONTARIO, CANADA L4L 8N4
<http://www.extrudex.com>

MILL TEST REPORT

BILL TO THYSSENKRUPP MATERIALS, NA	1773	Cart Code: 1	0.91	DIE NUMBER S 7238	DATE OF SHIPMENT 12/8/2010	EXTRUDEX ORDER NO. 129457 — 6	MANIFEST NO. 238420
SHIP TO THYSSENKRUPP MATERIALS, NA	1773	CUSTOMER PO PEC-226383		ALLOY 6061	TEMPER T6511	SALESMAN FRED PARKIN	
SO DESCRIPTION 1"x2" FB		CUSTOMER PART NUMBER 1-1000-2000		PART DESCRIPTION		CERTIFICATION MILL TEST ASTM B221	

Mechanical Properties

Lot	Alloy	Test No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness	Conductivity
A.11	6061	10915	Dec/03/10	42.8	38.8	14.30	89.8, 89.1, 89.5	

Chemical Composition

Cast Number	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ga	V	B	Zr	Bi	Pb	Sn	Sr	Co	Al	Other
A.11 11798 6061	0.58	0.24	0.20	0.06	0.84	0.05	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

David Natale

David Natale
Quality Control Manager

1 - CUSTOMER COPY

MILL TEST REPORT

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511

1.250" x 2.00" x 144.0000"

PART NO.

PO/Rel 13280

/CHANTAL

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results

BL PEC-691794-009

17Jan11

Pg 1/2

sapa:

Sapa Industrial Extrusions
53 POTTSVILLE STREET

CRESSONA, PA

17929-0187

Sapa Extrusions Inc., a Subsidiary of Sapa AB

Invoice To Customer

THYSSENKRUPP MATERIALS NA INC

2821 LANGSTAFF ROAD

ATTN: ACCOUNT PAYABLE

CONCORD, ON - L4K-5C6

Ship To Customer

THYSSENKRUPP MATERIALS NA INC

2821 LANGSTAFF ROAD

CONCORD, ON - L4K5C6

Certified Inspection Report

Sales Order Number	Line No.	Customer P/O	Cert Creation Date	Cert Number	Page
1100249469	9	PEC-225016-9	07-OCT-10	SAPA293249	1 of 2
				Cert Print Date	07-OCT-10

Quantity Shipped	Date Shipped	Item Description	Specification
1968 LB	07-OCT-10	Extruded Rectangular Bar 1.250 TK x 2.000 W RAD	ASTM B221 REV 08 AMS-QQ-A-200/3 REV ASMESB221 REV 09 UNSP A96061 REV
W/L	Item No.	144 IN LN FIN M-MILL W/F 2.94 F 02 CS 2.4 6061/T6511	
Delivery Id	Item No. Rev	Marking CONTINUOUS;	
4145547			
Customer Part No.			
1.25X2			

Applicable Specifications, Revisions and Exceptions

COMPOSITION NOTE: The values for 'Others Each' and 'Others Total' have met the limits as shown on this certified inspection report. Remainder is Aluminum.

Legal Statement

We hereby certify that, unless otherwise indicated, the material covered by this report has been manufactured, inspected, and tested in accordance with, and has been found to meet, the applicable requirements described herein, including any specifications forming a part of the description and that samples representative of the material met the composition and had the mechanical properties shown on the face of this certification. Also, note that mercury is not a normal contaminant in aluminum alloys and neither it nor any of its compounds are used in the manufacture of our product. This certification is not to be reproduced in partial form without prior written approval of our Quality Assurance Dept.

Signature And Title

Dave A Lukasz

Dave A Lukasz

07-OCT-10

Tech/Quality Manager

Quantities per Lot / Packages

Package Number	Lot Number	Quantity	UOM	Weight
G12-PKG1312034	20589458	14	PCS	498
G12-PKG1312035	20589458	14	PCS	498
G12-PKG1312036	20589458	14	PCS	498
G12-PKG1312038	20589458	14	PCS	498

Composition Limits

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511

1.250" x 2.00" x 144.0000"

PART NO.

PO/Rel 13280

/CHANTAL

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results

BL PEC-691794-009

17Jan11

Pg 2/2

sapa:

Sapa Industrial Extrusions
53 POTTSVILLE STREET

CRESSONA, PA
17929-9187

Certified Inspection Report

Sales Order Number

1100249469

Line No.

9

Customer P/O

PEC-225016-9

Cert Number

SAPA293249

Cert Creation Date

07-OCT-10

Page

Page 2 of 2

Cert Print Date

07-OCT-10

Alloy	Si		Fe		Cu		Mn		Mg		Cr		Zn	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
6061	0.40	0.80	---	0.70	0.15	0.40	---	0.15	0.80	1.20	0.04	0.35	---	0.25
Alloy	Ti		B		Pb		Others Each		Others Total					
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max				
6061	---	0.15	---	---	---	---	---	0.05	---	0.15				

Composition Results

Heat / Cast	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	B	Pb	Others Each	Others Total
5024450	0.68	0.48	0.31	0.09	0.88	0.08	0.12	0.02	---	---	---	---

Mechanical Property - Test Limits

Test Type			UTS - L		TYS - L		EL 4D-Long	
ROOM			KSI		KSI		PCT	
# of Tests			---		---		---	
Test Temper	Test Number	# of Tests	MIN Value	MAX Value	MIN Value	MAX Value	MIN Value	MAX Value
T6511	20589458	2	48.6	50.3	45.1	47.3	14.1	14.2

Cert Notes

Products manufactured with a T6511 temper also meet T6 temper requirements.

Yield strength has been determined by the 0.2% offset method.

All Alloys Produced at Sapa Industrial Extrusions comply with 0.4% Maximum Lead per RoHS, with the exception of 6262 alloy.

In accordance with EN 10204, Test Report Type 2.2 and Certificate Type 3.1

Melted in the USA or Other Qualified Countries as Defined by DFARS 225.872.1

Made in USA

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM HEXAGON BAR 6061-T6511

1.00" X 144.0000"

PART NO.

PO/Rel 13280

/CHANTAL

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results

BL PEC-691794-010

17Jan11

Pg 1/2

sapa:

Sapa Industrial Extrusions
53 POTTSVILLE STREET

CRESSONA, PA
17929-0187

Sapa Extrusions Inc., a Subsidiary of Sapa AB

Invoice To Customer

THYSSENKRUPP MATERIALS NA INC
2821 LANGSTAFF ROAD
ATTN: ACCOUNT PAYABLE

CONCORD, ON - L4K-5C6

Ship To Customer

THYSSENKRUPP MATERIALS NA INC
2821 LANGSTAFF ROAD

CONCORD, ON - L4K5C6

Certified Inspection Report

Sales Order Number

1100173884

Line No.

7

Customer PO

PEC-220267-7

Cert Number

SAPA208473

Page

Page 1 of 2

Cert Creation Date

15-APR-10

Cert Print Date

15 APR 10

Quantity Shipped

1270

LB

Date Shipped

15-APR-10

Item Description

Extruded ECON-O-HEX

Plus

1.000 HEX +/- .006

SECT 500352

144.000 IN LN

FIN M-MILL

W/F 1.018 F 3 CS 1.2

6061/T6511

Marking CONTINUOUS.

Specification

ASTM B221 REV 08

AMS-QQ-A-2008 REV

B/L

Item No.

124040

GUS306750

Delivery Id

Item No. Rev

4097006

Customer Part No.

500352

Applicable Specifications, Revisions and Exceptions

COMPOSITION NOTE: The values for 'Others Each' and 'Others Total' have met the limits as shown on this certified inspection report. Remainder is Aluminum.

Legal Statement

We hereby certify that, unless otherwise indicated, the material covered by this report has been manufactured, inspected, and tested in accordance with, and has been found to meet, the applicable requirements described herein, including any specifications forming a part of the description and that samples representative of the material met the composition and had the mechanical properties shown on the face of this certification. Also, note that mercury is not a normal contaminant in aluminum alloys and neither it nor any of its compounds are used in the manufacture of our product. This certification is not to be reproduced in partial form without prior written approval of our Quality Assurance Dept.

Signature And Title

Dave A. Lukasak

Dave A Lukasak

Tech/Quality Manager

15-APR-10

Quantities per Lot / Packages

Package Number	Lot Number	Quantity	UOM	Weight	
				Gross	Net
G12-PKG1215301	20448328	103	PCS	1277	1270

Composition Limits

Alloy	Si		Fe		Cu		Mn		Mg		Cr		Zn	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
6061	0.40	0.80	---	0.70	0.15	0.40	---	0.15	0.80	1.20	0.04	0.35	---	0.25

sapa:

Sapa Industrial Extrusions
53 POTTSVILLE STREET

CRESSONA, PA
17929-0187

Certified Inspection Report

Sales Order Number

1100173884

Line No.

7

Customer PO#

PEC-220267-7

Cert Number

SAPA208473

Page

Page 2 of 2

Cert Creation Date

15-APR-10

Cert Print Date

15-APR-10

Alloy

6061

	Ti		Bi		Pb		Others Each		Others Total	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
	---	0.15	---	---	---	---	---	0.05	---	0.15

Composition Results

Heat / Cast	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Bi	Pb	Others Each	Others Total
4022393	0.67	0.35	0.29	0.08	0.88	0.08	0.06	0.03	---	---	---	---

Mechanical Property - Test Limits

Test Type		UTS - L		TYS - L		EL 4D-Long		
UOM		KSI		KSI		PCT		
# of Test		--		--		--		
Test Temper	Lot Number	# of Tests	MIN Value	MAX Value	MIN Value	MAX Value	MIN Value	MAX Value
T6511	2044R12R	2	46.9	48.7	43.0	44.9	14.1	16.2

Test Notes

Products manufactured with a T6511 temper also meet T6 temper requirements.

Yield strength has been determined by the 0.2% offset method.

All Alloys Produced at Sapa Industrial Extrusions comply with 0.4% Maximum Lead per RoHS, with the exception of 6262 alloy.

In accordance with EN 10204, Test Report Type 2.2 and Certificate Type 3.1

Melted in the USA or Other Qualified Countries as Defined by DFARS 225.872.1

Made in USA



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO13280

Purchase Order Date 1/13/11

PO Print Date 1/13/11

Page Number 1 of 3

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	905 669 9444	Requisition Nbr	
Vendor Fax	905 738 9033	Tax Resale Nbr	10127-2607
Vendor Account Nbr		Terms	Net 30
		Currency	CAD
		FOB	Destination-Collect

Ship To : DART AEROSPACE LTD 1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

FAKED
1/13/11

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
✓ a	M304S16GA	304/316 Sheet .063	1/19/11 Yes	✓ 256.00 sf	Yours ppd	\$5.1330	\$1,314.05
		Special Inst: MATERIAL: AISI 304/316 SS SHEET ANNEALED 2B FINISH AS PER: MIL-S-5059 OR AMS 5513 (304) AMS 5513 (316) OR ASTM A240 OR ASME SA240					
✓ OK	M304S20GA	304/316 .040 Sheet 2	1/19/11 Yes	✓ 96.00 sf	Yours ppd	\$3.1500	\$302.40
		Special Inst: MATERIAL: AS ABOVE					
✓ OK	M304S11GA	304/316 0.125 Sheet 2	1/19/11 Yes	✓ 64.00 sf	Yours ppd	\$10.2714	\$657.37
		Special Inst: MATERIAL: AS ABOVE					
✓ OK	M6061T6S.063	6061-T6 .063 Sheet 3	1/19/11 Yes	96.00 sf	Yours ppd	\$4.3000	\$412.80

Net 144
9x12

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Change Nbr: 1

Change Date: 1/13/11



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO13280**

Purchase Order Date 1/13/11

PO Print Date 1/13/11

Page Number 2 of 3

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	905 669 9444	Requisition Nbr	
Vendor Fax	905 738 9033	Tax Resale Nbr	10127-2607
Vendor Account Nbr		Terms	Net 30
		Currency	CAD
		FOB	Destination-Collect

Special Inst: MATERIAL: 6061-T6/T62 ALUMINUM
SHEET
AS PER: QQ-A-250/11 OR AMS-QQ-A-
250/11 OR AMS 4025 OR
AMS 4027 OR ASTM B209

✓ M304RO.750 304 SS Roundbar .750 2 1/19/11 ✓ 24.00 Yours ppd \$3.6750 \$88.20
OK Yes f

Special Inst: MATERIAL: AISI 304/316 SS ROUND
BAR
NOTE: AISI 303 NOT ACCEPTABLE

✓ M6061T6B0.500X02.500 6061-T6 Bar .500 x 2.50 2 1/19/11 ✓ 24.00 Yours ppd \$3.3000 \$79.20
OK Yes f

Special Inst: MATERIAL: 6061-
T6/T651/T6510/T6511T/62 ALUMINUM
BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/
4128/4115/4116 OR QQ-A-200/8 OR AMS-
QQ-A-200/8 OR AMS 4160 OR ASTM
B211 OR ASTM B221

✓ M6061T6B0.750X01.500 6061-T6 Bar .750 X 1.50 1/19/11 4 ✓ 48.00 Yours ppd \$2.9790 \$142.99
OK Yes f

Special Inst: MATERIAL: AS ABOVE

✓ M6061T6B1.000X02.000 6061-T6 Bar 1.00 x 2.00 1/19/11 2 24.00 Yours ppd \$5.3166 \$127.60
OK Yes f

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Change Nbr: 1

Change Date: 1/13/11



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO13280

Purchase Order Date 1/13/11

PO Print Date 1/13/11

Page Number 3 of 3

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	905 669 9444	Requisition Nbr	
Vendor Fax	905 738 9033	Tax Resale Nbr	10127-2607
Vendor Account Nbr		Terms	Net 30
		Currency	CAD
		FOB	Destination-Collect

Special Inst: MATERIAL: AS ABOVE

✓
ok M6061T6B2.000X01.250 6061-T6 Bar 2.00 x 1.25 1/19/11 ✓ 24.00 Yours ppd \$6.6000 \$158.40
Yes f

Special Inst: MATERIAL: AS ABOVE

10 M6061T6H1.000 6061-T6 HexBar 1.00 1/19/11 ✓ 12.00 Yours ppd \$2.2000 \$26.40
Yes f

Special Inst: MATERIAL: 6061-
T6/T651/T6510/T6511/T62 ALUMINUM
HEX BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115
4116 OR QQ-A-200/8 OR AMS-QQ-A-
200/8 OR AMS 4160
OR ASTM B211 OR ASTM B221

1/11/01/11

11 M7075T73B2.500X03.25 7075-T73 Bar 2.50 x 3.25 1/21/11 12.00 Yours ppd \$44.3958 \$532.75
Yes f

Special Inst: MATERIAL: 7075-T73 OR 7075-
T7351/T73510/T73511 BAR
AS PER: AMS-QQ-A-200/11 OR AMS-QQ-
A-225/9 OR
AMS 4124 OR AMS-QQ-A-250/12 OR
AMS 4078

MATERIAL CERTIFICATION
REQ'D UPON DELIVERY

PO Total: \$3,842.16

W CL

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Change Nbr: 1

Change Date: 1/13/11



60 Ward Road, Brampton, Ontario L6S 4L5
Telephone: (905) 789-5000 • Fax: (905) 789-5050 • 1-800-895-APEX
www.apexttl.com G.S.T.# 87194 0573RT Q.S.T.# 1147387527

D - R - S



01241503524

INSIGNEZ/CONSIGNATAIRE 9999006

PRO NO./NO. DU PRO

HAWKESBURY

1270 ABERDEEN STREET

613 632 9577

HAWKESBURY, ON K6A1K7

IDER NO./NO. DE COMMANDE NS

ECIAL INSTRUCTIONS/INSTRUCTIONS SPÉCIALES ON

SHIPPER/EXPÉDITEUR 0013386

THYSSENKRUPP MATERIALS N.A.

2821 LANGSTAFF ROAD

CONCORD, ON L4K5C6

SHIPPER'S NO./NO. DE L'EXPÉDITEUR T151240

BILL TO/À LA CHARGE CUST. NO./NO. DE CLIENT

THYSSENKRUPP MATERIALS N.A.

2821 LANGSTAFF ROAD

CONCORD, ON L4K5C6

VAN NO. NO. DU CAMION	LOAD NO. NO. DU CHARGEMENT	DATE	ORIGIN/ORIGINE	DEST.
653921		01/17/11	TOR	OTT
NSFER FROM NSFERER DE		TRANSFER TO TRANSFERER À		

PKGS. QUANTS	DESCRIPTION	WEIGHT POIDS	CLASS OR RATE CLASSE OU TAUX	CHARGES CHARGES	CASH COLLECT/ COMPTANT À LA RÉCEPTION
2	SKIDS STAINLESS STEEL	1,640			
1	BUNDLE ALUM SHEET	360			
	RATED WITH DEFICIT WEIGHT OF FUEL SURCHARGE				
3	TOTALS	1,640	PREPAID TOTAL		

FREIGHT RECEIVED IN GOOD ORDER AND SHrinkWRAP/BANDING INTACT UNLESS NOTED

MARCHANDISE REÇUE EN BONNE CONDITION ET L'EMBALLAGE INTACT SAUF INDICATION CONTRAIRE

1241503524



AXME

SIGNATURE DATE

PLEASE PRINT NAME

ANY LOSS OR DAMAGE MUST BE NOTED BY THE RECEIVER ON THE DELIVERY COPY. OTHERWISE CONSIGNEE'S SIGNATURE WILL CONSTITUTE A CLEAR RECEIPT.

LES DOMMAGES OU PERTES DOIVENT ÊTRE PRIS EN NOTE PAR LE RECEVEUR ET INDICUÉS SUR LA COPIE LIVRAISON. SIVON, LA SIGNATURE DU CONSIGNATAIRE PROUVERA QUE LA MARCHANDISE A ÉTÉ REÇUE EN BONNE CONDITION.

CONSIGNEE'S COPY / COPIE CONSIGNATAIRE

Q U O T A T I O N

No: PEC ST-290332

Quoted By:
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 9057389033

Quoted To: (20115)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7

Quoted Ship To: (1)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7

Trm NET 30 DAYS/NET 30 JOURS Qtd 11Jan11 Qte Ref
 Frt PREPAID Via FOB
 Tel 613-632-9577 Fax 613-632-1053 Ctc CHANTAL
 Slp TRINA VINCE (905-532-1365)

Q U O T A T I O N

QT No: PEC ST-290332

Test Certs: Chem-Y Phys-Y 1 Original copies with Shipment, 1 with Invoice

***MATERIAL IN STOCK

1 STAINLESS STEEL SHEET 304-2B	8 PCS	641 LBS
.0600 Nom X 48.0000" X 96.0000"		
MATERIAL	641 LBS @	2.0500 LBS
		1,314.05
2 STAINLESS STEEL SHEET 304-2B	3 PCS	144 LBS
.0360 Nom X 48.0000" X 96.0000"		
MATERIAL	144 LBS @	2.1000 LBS
		302.40
3 STAINLESS STEEL SHEET 304-2B	3 PCS	481 LBS
.1200 Nom X 48.0000" X 96.0000"		
MATERIAL	481 LBS @	2.0500 LBS
		986.05
4 ALUMINUM SHEET 6061 T6	3 PCS	129 LBS
.0640 Nom X 48.0000" X 144.0000"		
ALTERNATE SIZE OFFERED		
MATERIAL	129 LBS @	3.2000 LBS
		412.80
5 STAINLESS STEEL ROUND BAR 304L	2 PCS	36 LBS
.750" DIA X 144.0000"		
MATERIAL	36 LBS @	2.4500 LBS
		88.20
6 ALUMINUM FLAT BAR 6061-T6511	2 PCS	36 LBS
.50" x 2.50" X 144.0000"		
MATERIAL	36 LBS @	2.2000 LBS
		79.20
7 ALUMINUM FLAT BAR 6061-T6511	4 PCS	65 LBS
.750" X 1.50" X 144.0000"		
MATERIAL	65 LBS @	2.2000 LBS
		143.00
8 ALUMINUM FLAT BAR 6061-T6511	2 PCS	58 LBS
1.00" x 2.00" X 144.0000"		

Q U O T A T I O N

No: PEC ST-290332

Quoted By:
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 9057389033

Quoted To: (20115)
 DART AEROSPACE

Quoted Ship To: (1)
 DART AEROSPACE

=====			
MATERIAL		Q U O T A T I O N	QT No: PEC ST-290332
		58 LBS @	2.2000 LBS 127.60

9	ALUMINUM FLAT BAR 6061-T6511	2 PCS	72 LBS
	1.250" x 2.00" X 144.0000"		
MATERIAL		72 LBS @	2.2000 LBS 158.40

10	ALUMINUM HEXAGON BAR 6061-T6511	1 PCS	12 LBS
	1.00" X 144.0000"		
MATERIAL		12 LBS @	2.2000 LBS 26.40

11	ALUMINUM PLATE 7075T7351	1 PCS	116 LBS
	2.50" THICK X 3.2500" X 144.0000"		

**4-6 DAY LEADTIME		1 PCS @	532.7500 EA 532.75

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
 WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
 TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
 ** REFERENCED ON IT **

Price in effect at time of shipment.

Price based on receipt of total order.

All weights are theoretical.

All orders are subject to credit approval.

**** TEL. 800-926-2600 ****

*** CUSTOMER PICK-UP HOURS ***

*** 9:00 AM TO 4:00 PM ***

* WE STOCK STAINLESS STEEL!!!! * *

* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT * *

***PLEASE NOTE A \$15.00 ENERGY SURCHARGE WILL BE

ADDED TO EVERY ORDER AS OF DEC 8/08.***

Order Totals:			11 Items	1790 LBS	

Material	Processing	Freight	Other	Taxes	ORDER AMT
4,170.85				542.22	4,713.07

Taxes: ONHSTS	542.22	0.00	0.00	0.00	

$\checkmark +8$
 $M304S162A = 256SF$ $\checkmark +3$
 $M304S118A = 64SF$
 $304S208A = 96SF$ $6061T6S:063 - 080 = 128SF$

M1010B0.500X03.000	14.46	0	0	0
M1010B1.000X02.000	2.133157895	0	11.4	6
M1010R0.375	0.36	0	10	0
M1018TR1.250W.109	3.684210526	0	14.21	0
M12883/45-01	2	0	4	4
M174B0.500X02.000	9.11E-02	0	56.4027	20
M174B1.250X02.000	7.987225255	0	25.93765	20
M174B2.000X01.500	2.412105263	0	10.67	12
M174PH-H900B3.937X4.750	15.00432316	0	19.37915	8
M174PH-H900R1.000	91.97729118	0	11.62	4
M174PH-H900R1.375	88.28926316	0	34.4	4
M2024T3A1.0 X 1.0 X.125	0.2	0	10.2	0
M2024T3S.040	324.7002316	0	218.44	64
M2650-6	27.84286749	0	63.44736844	30
M303B0.500X0.500	0.300063158	0	10.6908	6
M303B1.000X03.000	1.145	0	6.905	0
M303B1.000X1.000	1.570128371	0	9.96596	6
M303B1.000X2.000	1.83159	0	17.68421	6
M303B1.500X03.000	0.121647368	0	2.5427	6 $\times 864$
M303B2.000X1.750	3.647486316	0	13.76646	10
M303R0.313	6.14E-02	0	22.13	12
M303R0.375	5.159210526	0	34.725	12
M303R0.750	64.49005284	0	66.940216	60
M304B0.500X2.500	425.7756579	0	56.245	12
M304EX0.75-16F	296.5505605	0	958.111333	192
M304R.250	0.269909684	0	34.505236	12
M304R.500	0.863368421	0	43.31	24
M304R0.375	2.558905266	0	62.9185	10
M304R1.00	8.210526316	0	0	0
M304R0.750 \checkmark	38.59326316	0	48.00003684	24 $128t$
M304S12GA —	67.03030015	0	193.1	32
M304S26GA —	8.306667529	0	116.06	32
M304TR0.375W.035	3.16E-02	0	53.5	6
M304TR0.375W.065	0.137404047	0	27.5387	12
M304TR0.750W.065	1.212994737	0	63.5	24
M304TR1.000W.049	0.402610105	0	23.515268	24
M304TS0.500W.049	93.7889059	0	193.0613258	120
M304TS0.750W.049	309.3155285	0	307.8119048	120
M39029/63-368	30	0	50	5
M39029/64-369	10	0	10	10
M4130NB0.500X03.000	90.37289474	0	75.975	40 $208t$
M4130NR0.375	0.388947368	0	11.75	0
M4130NT0.373W.049	1.09	0	14	6
M4130NT0.500W.049	5.725263158	0	58.283	10
M4130NT0.750W.049	50.10842105	0	117.4167	30
M4130NT1.000W.049	1.120723684	0	21.03125	12
M4130NT1.000W.120	0.249789474	0	15.84	12
M6061T6A.750W0.625	1	0	0	0
M6061T6A1.000W.125	18.88032159	0	49.00474264	0
M6061T6B0.250X06.000	6.348368421	0	18.448	12
M6061T6B0.375X00.750	3.873942105	0	18.1471	12
M6061T6B0.375X02.000	1.131757895	0	21.8023	6

$M6061T6T0.375 \times 0.58 \text{ wall} \times 200 \text{ ft}$

M6061T6B0.375X03.000	0.377878947	0	13.5	6
M6061T6B0.500X01.000	2.018373684	0	21.591	10
M6061T6B0.500X02.000	3.410557895	0	27.2834	10
M6061T6B0.500X02.500	6.924383684	0	8.46891	10 24ft.
M6061T6B0.500X05.000	28.41631579	0	41.7636	12
M6061T6B0.500X06.000	21.61024211	0	40.4384	24
M6061T6B0.500X10.000	1.210863158	0	14	24
M6061T6B0.750X00.250	5.619157895	0	16.5	12
M6061T6B0.750X00.750	0.922943162	0	18.44095	24
M6061T6B0.750X01.500	25.90199723	0	25.9944	24 48ft
M6061T6B0.750X03.000	2.28E-02	0	53	20
M6061T6B00750X00.125	43.52251053	0	99.0243	80
M6061T6B1.000X02.000	16.66269474	0	49.1103	40 24ft
M6061T6B1.000X02.500	8.08E-02	0	35.36	12
M6061T6B1.000X04.000	30.18456316	0	53.2995	12
M6061T6B1.000X06.000	2.325987994	0	12	6
M6061T6B1.000X12.000	14.03970526	0	21.069	12
M6061T6B1.000X15.000	5.219473684	0	38.09	24
M6061T6B1.250X01.250	0.297306842	0	25.86645053	12
M6061T6B1.500X01.250	1.572605258	0	20.02035	12
M6061T6B2.000X01.250	9.05194734	0	10.3055	20 24ft
M6061T6B2.000X04.500	2.495783684	0	10.86631	6
M6061T6B2.500X03.500	0.895771111	0	9	8
M6061T6B30000X01.500	1.109783411	0	19.1289	20
M6061T6H1.000	1.926105263	0	6.13	12 12ft
M6061T6R0.625	48.29696316	0	54.96	30
M6061T6R0.750	7.605557895	0	50.46484211	40
M6061T6R1.000	2.229347368	0	28.914	12
M6061T6R1.250	0.406097368	0	50.48205	12
M6061T6R1.500	0.169736842	0	15.007	2
M6061T6S.125	12.8529793	0	67.66	96
M6061T6T0.250W.035	5.368421053	0	26	10
M6061T6T0.375W.035	8.771446674	0	235.511716	100
M6061T6T0.500W.058	27.09315789	0	62.5	80
M6061T6T0.625W.049	3.789473684	0	26	10
M6061T6T1.000W.188	55.34257256	0	53.516368	40
M6061T6T1.500W.125	3.026315789	0	29.5	12
M6061T6T1.750W.065	1.956842105	0	31.959	12
M6061T6T3.500W.375	5.368421053	0	8.5	0
M6061T6T5.000W.125	5.757889474	0	24.3754	6
M6061T6TR4.0X2.0W125	19.80520526	0	40	6
M6061T6TS0.750W.062	74.99468053	0	120.91227	100
M7075T6B1.000X1.000	0.492284592	0	12	10
M7075T6B1.500X1.500	0.221021053	0	16.8526	6
M7075T73R1.000	6.012894737	0	8.6	6

7075T73 B2.500 x 3.25" x 12ft

TRANSMISSION VERIFICATION REPORT

TIME : 01/13/2011 14:16
NAME :
FAX :
TEL :
SER.# : F9N212739

DATE, TIME	01/13 14:16
FAX NO./NAME	19057389033
DURATION	00:00:45
PAGE(S)	03
RESULT	OK
MODE	STANDARD
	ECM

13Jan11 14:26 S A L E S A C K N O W L E D G M E N T No: PEC ST-291250

Sold By:
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 9057389033

Sold To: (20115)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7

Ship To: (1)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7

Trm NET 30 DAYS/NET 30 JOURS Ord 13Jan11 Due17Jan11
 Frt PREPAID Via APEXMOTOR-PEC FOB CONCORD
 Con 96294 PO/Rel 13280/CHANTAL
 Slp TRINA VINCE (905-532-1365) Tel 613-632-9577 Fax 613-632-1053

=====

S A L E S A C K N O W L E D G M E N T SO No PEC ST-291250

Test Certs: Chem Y Phys Y 1 Original copies with Shipment, 1 with Invoice

***MATERIAL IN STOCK

1 STAINLESS STEEL SHEET 304-2B .0600 Nom X 48.0000" X 96.0000" MATERIAL	8 PCS 641 LBS @	2.0500 LBS	641 LBS 1,314.05
2 STAINLESS STEEL SHEET 304-2B .0360 Nom X 48.0000" X 96.0000" MATERIAL	3 PCS 144 LBS @	2.1000 LBS	144 LBS 302.40
3 STAINLESS STEEL SHEET 304-2B .1200 Nom X 48.0000" X 96.0000" MATERIAL	2 PCS 321 LBS @	2.0500 LBS	321 LBS 658.05
4 ALUMINUM SHEET 6061 T6 .0640 Nom X 48.0000" X 144.0000" MATERIAL	3 PCS 129 LBS @	3.2000 LBS	129 LBS 412.80
5 STAINLESS STEEL ROUND BAR 304L .750" DIA X 144.0000" MATERIAL	2 PCS 36 LBS @	2.4500 LBS	36 LBS 88.20
6 ALUMINUM FLAT BAR 6061-T6511 .50" x 2.50" X 144.0000" MATERIAL	2 PCS 36 LBS @	2.2000 LBS	36 LBS 79.20
7 ALUMINUM FLAT BAR 6061-T6511 .750" X 1.50" X 144.0000" MATERIAL	4 PCS 65 LBS @	2.2000 LBS	65 LBS 143.00
8 ALUMINUM FLAT BAR 6061-T6511 1.00" x 2.00" X 144.0000" MATERIAL	2 PCS 58 LBS @	2.2000 LBS	58 LBS 127.60
9 ALUMINUM FLAT BAR 6061-T6511 1.250" x 2.00" X 144.0000" MATERIAL	2 PCS 72 LBS @	2.2000 LBS	72 LBS 158.40

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

NO. PEC ST-291250

Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

Test Certs: Chem Y Phys Y 1 Original copies with Shipment, 1 with Invoice

10 ALUMINUM HEXAGON BAR 6061-T6511	1 PCS	12 LBS
1.00" X 144.0000"		
MATERIAL	12 LBS @	2.2000 LBS
		26.40

***PLEASE NOTE A \$15.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER AS OF DEC. 8./08.***

Material	Processing	Freight	Other	Taxes	ORDER AMT
3,310.10				430.32	3,740.42

Taxes: ONHSTS 430.32

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

DART
aerospaceDart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PO REPRINT

Purchase Order ID PO13185

Purchase Order Date 12/22/10
PO Print Date 1/13/11

Page Number 1 of 1

Order From :

VC-NOR001

NORDSON CANADA LTD.
PO BOX 57021
POSTAL STATION A
TORONTO, ON M5W 5M5
CAREVISED

Contact Name

Vendor Phone 800 463 3200

Vendor Fax 905 475 8821

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr 10127-2607

Terms

Net 30

Currency

CAD

FOB

* FOB Origin *

355513.

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1		147 162 FILTER 26 HIGH EFFICIENCY	1/21/11 Yes Feb 11/11	3.00	Fedex Ground	\$94.0000	\$282.00
	Deliver To: FINISHING						
2		147 163 FILTER 26 HIGH EFFICIENCY	1/21/11 Yes Feb 11/11	3.00	Fedex Ground	\$94.0000	\$282.00
	Deliver To: FINISHING						
PO Total:							\$564.00

Change Nbr: 3

Change Date: 1/13/11

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 304/316 SS ROUND BAR
(NOTE: AISI 303 NOT ACCEPTABLE)

△ SPECIFICATION: ASTM A276
PART NUMBER: M304R {D.DDD}
DIA.

WHERE "D.DDD" = DIAMETER IN INCHES

EG. 0.75" ROUND BAR = M304R0.750

REFERENCE ONLY

RELEASED
01/03/21/ML

B	REFORMAT DWG. ADD SPECS (ZN 06-1). REF PAR 08-020A	CP	09.07.15
A	NEW ISSUE	AJS	08.03.03
REV.	DESCRIPTION	BY	DATE
DESIGN	AJS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	97		
CHECKED	97	DRAWING NO.	REV. B
MFG. APPR.	MD	M304R	SHEET 1 OF 1
APPROVED	MD	TITLE	SCALE
DE APPR.	MD	304/316 ROUND BAR	NTS
DATE	09.07.15	COPYRIGHT © 2008 BY DART AEROSPACE LTD THIS DOCUMENT IS PROPERTY AND CONFIDENTIAL INFO. IT IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR DISSEMINATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

B I L L O F L A D I N G
 Ship From:
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 9057389033

Ship To: (1)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7
 Tel: 613-632-9577 Fax: 613-632-1053

No: PEC 691794
 Ship Date 17Jan11 at 10:59 From PFW
 Probill T151240
 Via APEXMOTOR-PEC
 FOB CONCORD
 Frt PREPAID
 Route 0- 0 Manifest
 Vhcle Trailer
 Slp TRINA VINCE (905-532-1365)
 Sold To: (20115)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7

B I L L O F L A D I N G

1) Our Order PEC-291250- 1 Your PO # 13280

Part # Rel # CHANTAL

STAINLESS STEEL SHEET 304-2B

.0600 Nom X 48.0000" X 96.0000"

Heat Number Tag No
 94854784 154576

Quantity PCS Wt LBS
 256.00 SFT 8 612

MTR

2) Our Order PEC-291250- 2 Your PO # 13280

Part # Rel # CHANTAL

STAINLESS STEEL SHEET 304-2B

.0360 Nom X 48.0000" X 96.0000"

Heat Number Tag No
 376954 154577

Quantity PCS Wt LBS
 96.00 SFT 3 138

MTR

3) Our Order PEC-291250- 3 Your PO # 13280

Part # Rel # CHANTAL

STAINLESS STEEL SHEET 304-2B

.1200 Nom X 48.0000" X 96.0000"

Heat Number Tag No
 YU257004 154578

Quantity PCS Wt LBS
 64.00 SFT 2 311

MTR

4) Our Order PEC-291250- 4 Your PO # 13280

Part # Rel # CHANTAL

ALUMINUM SHEET 6061 T6

.0640 Nom X 48.0000" X 144.0000"

Heat Number Tag No
 11649/01 154613

Quantity PCS Wt LBS
 144.00 SFT 3 126

MTR

Page: 1Continued

forced

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
 RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

B I L L O F L A D I N G

Ship From:
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 9057389033

No: PEC 691794
 Ship Date 17Jan11 at 10:59 From PFW
 Probill T151240
 Via APEXMOTOR-PEC
 FOB CONCORD
 Frt PREPAID
 Route 0- 0 Manifest
 Vhcle Trailer
 Slp TRINA VINCE (905-532-1365)
 Sold To: (20115)
 DART AEROSPACE

Ship To: (1)
 DART AEROSPACE

B I L L O F L A D I N G

5) Our Order PEC-291250- 5 Your PO # 13280
 Part # Rel # CHANTAL
 STAINLESS STEEL ROUND BAR 304L
 .750" DIA X 144.0000"
 Heat Number Tag No Quantity PCS Wt LBS
 7TY7 154460 24 FT 2 37

MTR

6) Our Order PEC-291250- 6 Your PO # 13280
 Part # Rel # CHANTAL
 ALUMINUM FLAT BAR 6061-T6511
 .50" x 2.50" X 144.0000"
 Heat Number Tag No Quantity PCS Wt LBS
 201016493 154461 24 FT 2 35

MTR

7) Our Order PEC-291250- 7 Your PO # 13280
 Part # Rel # CHANTAL
 ALUMINUM FLAT BAR 6061-T6511
 .750" X 1.50" X 144.0000"
 Heat Number Tag No Quantity PCS Wt LBS
 11541 154462 48 FT 4 64

MTR

8) Our Order PEC-291250- 8 Your PO # 13280
 Part # Rel # CHANTAL
 ALUMINUM FLAT BAR 6061-T6511
 1.00" x 2.00" X 144.0000"
 Heat Number Tag No Quantity PCS Wt LBS
 11798 154463 24 FT 2 56

MTR

9) Our Order PEC-291250- 9 Your PO # 13280
 Part # Rel # CHANTAL
 ALUMINUM FLAT BAR 6061-T6511
 1.250" x 2.00" X 144.0000"
 Heat Number Tag No Quantity PCS Wt LBS
 20589458 154464 24 FT 2 71

MTR

Page: 2Continued

for

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
 RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

B I L L O F L A D I N G

Ship From:
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 9057389033

No: PEC 691794
 Ship Date 17Jan11 at 10:59 From PFW
 Probill T151240
 Via APEXMOTOR-PEC
 FOB CONCORD
 Frt PREPAID
 Route 0- 0 Manifest
 Vhcle Trailer
 Slp TRINA VINCE (905-532-1365)
 Sold To: (20115)
 DART AEROSPACE

Ship To: (1)
 DART AEROSPACE

B I L L O F L A D I N G

10) Our Order PEC-291250- 10 Your PO # 13280
 Part # Rel # CHANTAL
 ALUMINUM HEXAGON BAR 6061-T6511
 1.00" X 144.0000"

MTR

Heat Number	Tag No	Quantity	PCS	Wt LBS
20448328	154465	12 FT	1	13

TOTAL:	Tags	PCS	LBS
	10	29	1463

Heat Number

*** Chemical Analysis ***

11541
 11649/01
 11798
 201016493
 20448328
 20589458
 376954
 7TY7
 94654784
 YU257004

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
 WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
 TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **

** REFERENCED ON IT **

TOTAL 2 SKIDS, 1 BDL G.W. 1640 LBS

ITEMS (1,2,3) SKID
 ITEM (4) SKID
 ITEMS (5 TO 10) BDL

Page: 3Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
 RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

SHIP FROM: **B I L L O F L A D I N G**
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 9057389033

No: PEC 691794
 Ship Date 17Jan11 at 10:59 From PFW
 Probill T151240
 Via APEXMOTOR-PEC
 FOB CONCORD
 Frt PREPAID
 Route 0- 0 Manifest
 Vhcle Trailer
 Slp TRINA VINCE (905-532-1365)
 Sold To: (20115)
 DART AEROSPACE

Ship To: (1)
 DART AEROSPACE

=====

B I L L O F L A D I N G

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
 CONCORD, ONT.* *** 9:00 AM TO 4:00 PM ***
 **** TEL. 800-926-2600 ****

 * WE STOCK STAINLESS STEEL *
 * PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

 ***PLEASE NOTE A \$15.00 ENERGY SURCHARGE WILL BE
 ADDED TO EVERY ORDER AS OF DEC 8/08.***

Page: 4 Last

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
 RAPPORTÉES IMMÉDIATEMENT.
 ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY
 RETOUR DE MARCHANDISES AVEC NOTRE NUMÉRO D'APPROBATION SEULEMENT.
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

PO#RAI 13280

/GHANTAL

Certificate of Mill Test Results

BT PEC-591794-001 17Jan11

Pg. 1/1

STAINLESS STEEL SHEET 304/2B

1050H N816X 48.000" X 96.000"

PART NO.

We certify that the test results of the report
furnished by the producer of the metal, on the
resulting from tests carried out in accordance with

MILL TEST REPORT

TA CHEN INTERNATIONAL, INC.

This MYR contains 1 page (Page# 1)

Customer: COPCON PO#:PEC-224493 SO#:PH3124

MYR#:YC-LD50273-05.GIF

Item:16GA48563042B Bundle:Z990400874058 Heat#:94554784

MILL TEST REPORT

EN 10204 (3.1) DIN 50904 P.12



Commodity: PRIMARY COLD ROLLED STAINLESS STEEL SHEET

Customer: TA CHEN INTERNATIONAL, INC.

AISI 304 2B FINISH, WITH PAPER INTERLEAVED

Shipper: TA CHEN STAINLESS PIPE CO., LTD.

TA CHEN STAINLESS PIPE CO., LTD.

Specification: ASTM A240/A50

NO. 125 HSUN-TIEN 2ND ST, HSUN-TIEN

304

Destination: CHICAGO

JENG-TEK, TAIWAN, TAIWAN

TEL: (06)2703234 FAX: (06)2701382

COUNTRY ORIGIN: TAIWAN

Customer's PO#: L28805

Certificate No.: YC-LD50273-05

(Page 5/7)

Factory Q/N: QAD2K4163A

Date: 05/28/10

Invoice No.: QAO2K50180

Item No.	Bundle No.	Heat No.	Size	Quantity Pcs	Weight Kgs	Chemical Composition in %										
						C	Si	Mn	P	S	Ni	Cr	Mo	N	Cu	
21	Z99040087-052	94562987	14GA X 48.0" X 120"	32	1736	0.051	0.020	1.100	0.007	0.005	8.950	18.110		0.023	0.340	
22	Z99040087-053	94562987	14GA X 48.0" X 120"	32	1726	0.051	0.020	1.150	0.007	0.005	8.950	18.110		0.023	0.340	
23	Z99040087-054	94562987	14GA X 48.0" X 120"	32	1736	0.051	0.020	1.190	0.007	0.005	8.950	18.110		0.023	0.340	
24	Z99040087-055	94562987	14GA X 48.0" X 120"	32	1738	0.051	0.020	1.190	0.007	0.005	8.950	18.110		0.023	0.340	
25	Z99040087-058	94554784	16GA X 48.0" X 96"	50	1732	0.049	0.040	1.330	0.008	0.005	8.970	18.160		0.034	0.300	

Item No.	Tensile Test				Hardness Test HRB	Bend Test	Heat Treatment TEMP. °F	Dimension And Surface Condition	Remarks
	0.2% Yield Strength PSI	Tensile Strength PSI	Elongation %	Reduction of Area %					
21	43960	91840	52		88		1830		1. EQUIVALENT TO ASME SA240-304/304L OR ASTM A304-304L TYPE 304 2. INTERGRANULAR CORROSION BY AGCORDING TO ASTM A262-E 3. MAXIMUM 1/12 IN. (0.083") EIR. 90. OTHERS BY ASTM A262-2E 4. TENSILE TEST: ASTM A304 5. T. TEST METHOD: GRAHAMASTM E1017-94 6. OTHER ELEMENT: ASTM A262, SA262-2E 7. MERCURY FREE 8. NO CORROSION 9. MECHANICAL PROPERTIES AND PHYSICAL PROPERTIES COMPLY TO ASME SA240-304/304L OR ASTM A304-304L TYPE 304 10. ASME SA240-304/304L OR ASTM A304-304L TYPE 304
22	43960	91840	62		88		1830		
23	43960	91840	E2		88		1830		
24	42940	91700	52		85		1930		
25	43120	91980	54		83		1830		

We hereby certify the above statement to be true and correct every detail

TA CHEN STAINLESS PIPE CO., LTD.

Authorized Representative

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
STAINLESS STEEL SHEET 304 2B
0360 Nbr X 48.0000" X 96.0000"
PART NO.

PO/R# 113280

/CHANTAL

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results

BLPEC 051794-002

17Jan11

Pg 1/1

A company
of ThyssenKrupp
Steels

ThyssenKrupp Mexinox



TEST REPORT (CERTIFICADO)

CUSTOMER (CLIENTE)

MEXINOX USA

BILL ORDER No. No. DE PEDIDO	0207 - G	PACKAGE (EMPALQUE) No. H6188410	OD
CUSTOMER PURCHASE ORDER No.		DATE (FECHA)	AUG-06-10
CODE PART NUMBER		REPORT (CERTIFICADO) No.	PC1842

PRODUCT IDENTIFICATION IDENTIFICACION DEL PRODUCTO

ITEM No.	CON No. No. DE ROLLO	PIECES PIEZAS	HEAT COLADA No.	TYPE AND FINISH TIPO Y ACABADO	DIMENSIONS DIMENSIONES	GROSS WT. PESO BRUTO	NET WT. PESO NETO
1	43027 00A1	45	376934	304 / 2B UNS S30400	48.00 X 96.00 X .3054 1219.20 X 2438.40 X .767	2,205 1,000	2,019 916

CHEMICAL COMPOSITION COMPOSICION QUIMICA (%)

ITEM	C	Cr	Mn	N	Mo	P	S	S	OTHER ELEMENTS (OTROS ELEMENTOS)
1	.0480	18.2700	1.5000	.0504	0.0500	.0250	.0010	.0300	

MECHANICAL PROPERTIES PROPIEDADES MECANICAS

ITEM No.	TEST No. No. MUESTRA	U	TENSILE S. RESISTION	YIELD S. RESISTENCIA	ELONGATION ALARGAMIENTO	HARDNESS DUREZA HRB
1	A038580 A038553	L	99000 psi 683 MPa	50038 psi 345 MPa	54.5	(HEAD/ TAIL) 85.0 / 85.0

HEAT SOURCE: SOUTH AFRICA

THIS MATERIAL COMPLIES WITH CHEMICAL COMPOSITION ACCORDING TO ASTM A 213/A 213M-99b STD. NOS. AND IT COMPLIES ALSO WITH
THE MECHANICAL AND CHEMICAL PROPERTIES ESTABLISHED IN THE FOLLOWING STD.:
ASME SA213-07, QQ-S-766-D, MIL-3-5055-D, AND SS132.

"THIS MATERIAL IS FREE OF MERCURY CONTAMINATION"



We hereby certify that in recognition of the terms and conditions set forth in
the EU RoHS Directive -2002/95/EC, we can insure that all of our products and
processes fully comply with it.

HECHO EN MEXICO / MADE IN MEXICO

ELABORATED BY
Carlos Enrique Salazar

PRINTED: 8:54:27 SEP-10-10

FORM 10-10-10

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL SHEET 304 L 2B

120.0000" X 48.0000" X .06000"

PART NO.

PO/Ref:13280

/CHANTEL

We certify that this is a true copy of the report furnished by the producer of the metal or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL REC-691794-003

1/7/11

Page 1/1

MILL TEST CERTIFICATES

YIEN MAU CORP.

INVOICE NO. :

71062591

COMMODITY :

PRIME COLD ROLLED STAINLESS STEEL SHEET

SPECIFICATION :

AMS 554 ASTM A304/A304M and ASME SA304/SA304M

CUSTOMER :

OLBERT METAL SALES LIMITED

SIS, SHUN AN RD, LIT CHIU TSIANG
HONGKONG HONG KONG
TEL: 07572885 FAX: 07572808
CERTIFICATE NO. F10601004
DATE OF ISSUE: 06/10/2011

SIZE	NO.	Weight (N.W.)		Heat No.	ID NO.	Physical Properties Tensile Test (ksi)						Chemical Composition (%)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
		KG	LBS			YS	TS	EL	AP	HV	C	Si	Mn	P	S	M	G	N																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
304 2B 1/4"																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

PO/Rd 13280

/CHANTAL

Certificate of Mill Test Results

BL PEC-691794-004 1701411

Pg 1/2

ALUMINUM SHEET 6061 T6
0640 Nominal 48.0000" X 144.0000"
PART NO.

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made to approved lab.

Signed by



Abnahmeprüfzeugnis 3.1 (EN 10204) Inspection certificate - mill certificate

Nr.: 85329436 01 / 5

Rev. 0

Seite / page: 1 von / of 2

Datum / date: 2010 10 18

Zustand nach / certified to ISO 9001, ISO/TS 16949, ENAS 9100, ISO 14001, HACCP

Auftraggeber / customer: ThyssenKrupp Materials NA 2821 Langstaff Rd CDN-L4K SC8 CONCORD, ON Wareneempfänger / consignee: ThyssenKrupp Materials NA 2821 Langstaff Rd CDN-L4K SC8 CONCORD, ON Endkunde, Bestell-Nr. / Your cust., ord. no.:	Bestell Nr. / order no.: PEC-224981 Datum / date: 2010 09 29 Auftragsbest. Nr. / order confirm. no.: 618747 Datum / date: 2010 09 30 Lieferschein Nr. / delivery note: 85329436 Datum / date: 2010 10 18 Akkreditiv Nr. / letter of credit no.:
--	--

Produkt / product: Form / form: Sheet Werkstoff / material: 6061 Zustand / temper: T6 Dim. / dim. (inch): 0,083x48,00x144,00 Kundenartikel-Nr. / customer article no.:	Bedingungen / terms: Techn. Lieferbedingungen / techn. spec.: AMS-QQ-A-250/11, 08.1997 ASTM B 209 - 07 Material meets also the mech. properties of AMS 4027N, 07.2008, but not marked ANSI H35.2-2008 ASME SB 209, 2007 Sondervorschrift / special terms:
---	--

AB-Pos. ord. item	BNr/Los/Tell. Lot/No/Part	Guss-Nr. Cast No.	Werkstoff material	Kalle Batch no.	Gewicht netto weight net	Stk. pcs.
01	11649/01/00	80/0088011/0	6061.1	6187470001	4007,937 lbs	97

Chemische Zusammensetzung / chemical composition (%) Gewichtanteile / weight proportion											
Guss-Nr. / cast no.	AMAG designation	Si	Fe	Cu	Mn	Ni	Cr	Ni	Zn	Ti	
80/0088011/0	6061.1 actual	0,83	0,45	0,21	0,08	0,02	0,16	0,01	0,03	0,05	

Zugversuch / Tensile test									
BNr/Los Lot/No.	Zustand temper	Richtung direction			Rm [ksi]	Rp0.2 [ksi]	A2 [%]		
11649/01	T6	LT			47,1	38,3	18		
11649/01	T6	LT			48,0	39,2	18		
11649/01	T6	LT			48,7	38,9	18		
11649/01	T6	LT			48,7	39,0	18		
11649/01	T6	LT			48,8	39,2	18		
11649/01	T6	LT			48,7	39,0	18		
11649/01	T6	LT			48,7	39,0	17		
11649/01	T6	LT			48,8	39,0	17		
11649/01	T6	LT			48,8	39,7	17		

AMAG rolling GmbH, Postfach 82, A-8282 Ranshofen, Österreich - www.amag.at
 AMAG rolling GmbH, P.O. Box 82, A-8282 Ranshofen, Austria - www.amag.at

THYSSENKRUPP MATERIALS NA**DART AEROSPACE**

PO/Ref: 13280

/CHANTAL

Certificate of Mill Test Results

BL PEC-65179-004 17Jan11

Pg 2/2

ALUMINUM SHEET 6061 T6
Sheet No. X-80000 X 144.0000
PART NO.We certify that this is a true copy of the report
submitted by the producer of the metal, or data
resulting from tests made to approved JIS.

Signed by:


Abnahmeprüfzeugnis 3.1 (EN 10204)
Inspection certificate - mill certificate

Zertifiziert nach / certified to ISO 9001, ISO/TS 16949, ENAS 9100, ISO 14001, NADCAP

Nr.: 85329436 01/5

Rev. 0

Seite / page: 2 von / of 2

Datum / date: 2010 10 18

Es wird bestätigt, dass die Lieferung geprüft wurde und den Vereinbarungen bei der Bestellung entspricht.
 We hereby certify that the material described above has been tested and complies with the terms of the order
 contract.

Werkstattverfänger:

factory official:

Josef Klampfer

E-Mail / e-mail:

j.klampfer@amag.at

Herstellort: Österreich / goods origin: The goods are of Austrian origin.
 Maschinell erstellt - Gültig ohne Unterschrift / Automated - valid without being signed.

AMAG rolling GmbH, Postfach 32, A-5262 Ranshofen, Österreich -- www.amag.at
 AMAG rolling GmbH, P.O. Box 32, A-5262 Ranshofen, Austria -- www.amag.at

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
STAINLESS STEEL ROUND BAR 304L
750" DIA X 144.0000"
PART NO:

VO/Ref L3280

/CHANTAL

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BLPEC691794-005

17Jan11

PE177



METALLURGICAL TEST REPORT

NORTH AMERICAN STAINLESS
6870 HIGHWAY 42 EAST
CHIENT, KY 41045

6870 HIGHWAY 42 EAST

Certificate: 608974 11

Mail To:

THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, OH 44130

Ship To:

THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, OH 44130

Date: 12/29/2010 Page: 1

Customer: 007206 001

Steel: 304/304L

Finish: CO

Your Order: PEC226964

NAS Order: IN 0108945 06

Corrosion: ASTM A262 Prac A/E

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
UNS 30400/30403 EN 10204 3.1, ASTM A484/08
ASTM A276/08A, ASTM A479/08, ASTM A182/08A CHEM ONLY,
ASME SA479/07, ASME SA182/08A CHEM ONLY
AMS 5619H, AMS 5647H, AMS QQS-763B, QQS-763F

REMARKS:

COMPLIES W/REQUIREMENTS OF DEARS EU DIRECTIVE 2002.95.
EC. RoHS, EAP+LOH+CC. NO WELD REPAIR. MELTED AND MFG IN USA
FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Product Id	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BD4237 2		.7500		1.010	144.00	9	1	

CHEMICAL ANALYSIS CM(Country of Mfg) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

HEAT	CR	C	CO	CR	CU	NI	MO	N	MX	P
7TY7	US	.0199	.1420	10.1355	.4685	1.4100	.3445	.0725	8.5205	.0340
		S	SI							
		.0220	.1940							

MECHANICAL PROPERTIES

Product Id	1 d	o i	HB	.2YS	UTS	RA	Elong
	c r	Re.	KSI	KSI	%	%	% 4D
BD4237 2	R L	181.00	76.69	100.92	72.33	47.84	

NAS hereby certifies that the analysis on this certification is correct and the material meets the specifications stated.

QC ENGINEER

ERIC HESS

12/29/2010

THYSSENKRUPP MATERIALS NA
 DART AEROSPACE
 300 S. ESPINOZA BLVD
 P.O. BOX 1000
 TUCUMAN, AZ 85781
 TEL: 928-255-0000
 FAX: 928-255-0001
 WWW.TKNA.COM



SERVICE CENTER METALS
 5850 Quality Way
 Prince George, VA 23875

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

OUR ORDER NUMBER	ITEM
119935	14

ALL TO ThyssenKrupp Materials NA SHIP TO ThyssenKrupp Materials NA VIM Quantity Certified 617 lbs 35pcs	MANIFEST NUMBER 121382 CUSTOMER PO VIM-473 CUSTOMER PART NUMBER RB0097	DIE NUMBER RB0097 ALLOY / TEMPER 6061-T6511 DESCRIPTION SCRB .500x2.500	DATE OF SHIPMENT 12/28/2010 SALESPERSON David Schroeder	CERTIFICATION ASTM-B221-06 Stencil/Continuous SPECIFICATION AMS-QQA-200/8
---	--	---	--	--

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. SCM extrusions are manufactured in the USA from ingot melted and cast in the United States or Canada.

Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6

Mechanical Properties

Test No.	Lot No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
1	201016493	12/17/10	45.7	42.7	14.4
2	201016493	12/17/10	47.2	43.7	13.2
3	201016493	12/17/10	48.6	44.8	14.1

Chemical Composition for Alloy 6061

Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Other	Each	Total	Al
6061	Max 0.8	0.7	0.40	0.15	1.2	0.35	0.25	0.15	0.05	0.15		Remainder
	Min 0.40	-	0.15	-	0.8	0.04	-	-	-	-		

United States of America

Rev 00607 GMS

Print Date: 12/28/2010

Calvin J. Wiggins, Director of Quality & Technical Services

THYSSENKRUPP MATERIALS NA**DART AEROSPACE**

ALUMINUM FLAT BAR 6061-T6511

.750" x 1.50" x 144.000"

PART NO.

PO/Ref: 13280

/CHANTAL

Certificate of Mill Test Results

BL PEC 691794-007

17Jan11

Pg 1/1

We certify that the test methodology of the report
submitted by the producer of the metal or cast
material complies with the approved JIS.

Signed by:

CAN ART
ALUMINUM EXTRUSION INC.

Manifest 223803

Material Test Report**Customer Ship To:**ThyssenKrupp Materials NA
2821 Langstaff Road

Concord

ON L4K 5C6

Our Order: 373472 - 4
Your PO #: 225730
Part #: 05726-000-144
Dis: E505726
Description: .750 x 1.500
Alloy Temper: 6061 T6511
Print Date: 11/15/2010**Chemical Composition**

Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	others each	others total	Al
0.40-0.8	0.7 max	0.15-40	0.15 max	0.8-1.2	0.04-0.35	0.25 max	0.15	0.05	0.15	remain

Mechanical Properties

Strength ksi

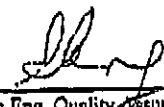
Test ID	Lot	Test Date	Cast Num	Ultimate	Yield (2% Offset)	Elongation (2" gage length)	Skid #
122926	A	11/15/10	11541	39.76	35.12	12.40	5163349

Applicable Specifications: ASTM B321-06 ASTM B308 ASTM B429 QQA200/8 QQA200/16

Can Art Aluminum Extrusion Inc. certifies that materials shipped under this order have been inspected and tested in accordance with Aluminum Association and agreed upon customer specifications. Can Art assumes no liability for additional costs which may be incurred during the customer's manufacture and sale of its products, and is subject only to the replacement of any materials not within agreed upon specifications provided written notification is received by Can Art within 30 days from the date of shipment.

Jason Carlson - Tensile Testing

Authorized


Evan Eng, Quality Assurance Mgr.

Certificate of Mill Test Results

12/11/11
Page 1/1

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Spelled by



BILL TO	1772	Part Code:	QTY NUMBER	DATE OF SHIPMENT	EXTRUDEX ORDER NO.	MANIFEST NO.
THYSSENKRUPP MATERIALS,NA		1	0.91 S 7238	12/8/2010	129457 — 6	238420
SHIP TO	1773	CUSTOMER PO	ALLOY	TEMPER	SALESMAN	
THYSSENKRUPP MATERIALS,NA		PEC-226363	8061	T6511	FRED PARKIN	
SO DESCRIPTION		CUSTOMER PART NUMBER	PART DESCRIPTION		CERTIFICATION	
1"x2" FB		1-1000-2000			MILL TEST ASTM B221	

<u>Lot</u>	<u>Alloy</u>	<u>Test No.</u>	<u>Test Date</u>	<u>Ultimate Tensile Strength (KSI)</u>	<u>Yield Strength (KSI)</u>	<u>Percent Elongation</u>	<u>Hardness</u>	<u>Conductivity</u>
A.11	6061	10915	Dec/03/10	42.8	38.8	14.30	89.8, 89.1, 89.5	

[illegible]

David Natale
Quality Control Manager

MILL TEST REPORT

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
ALUMINUM PLATE BAR 6061-T6511
1.250" x 2.80" x 344.000"
PART NO:

PO/Ref: 117280 /CHANTAL

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made on approved lab.

Certificate of Mill Test Results

BE PEC-691794-009

1/1/11
Pg 1/2

Signed by:

sapa:

Sapa Industrial Extrusions
53 POTTSVILLE STREET

CRENSHAW, PA
17925-0187

Sapa Extrusions Inc., a Subsidiary of Sapa AB

Invoice To Customer

THYSSENKRUPP MATERIALS NA INC
2821 LANCASTAFF ROAD
ATTN: ACCOUNT PAYABLE

CONCORD, OH - LAK-SC6

Ship To Customer

THYSSENKRUPP MATERIALS NA INC
2821 LANCASTAFF ROAD

CONCORD, OH - LAK-SC6

Certified Inspection Report

Sales Order Number	Line No.	Customer PO	Cert Number	Page
1100249469	9	PEC-225116-9	SAPA293249	Page 1 of 2
			Cert Creation Date	Cert Print Date
			07-OCT-10	07-OCT-10

Quantity Shipped	Unit	Date Shipped	Item Description	Specification
1768	LB	07-OCT-10	Extruded Rectangular Bar 1.250 TK x 2.800 W RAD	ASTM B221 REV 08 AMS-QQ-A-300/8 REV ASTM B221 REV 09 CNS/A96061 REV
Mat.	Item No.	Item No.	Item No.	Item No.
169702	G03362110		144 IN LN PRN IN-MILL W/F 254 F 02 CS 2.4 4051/76511 Marking CONTINUOUS	
Delivery Id	Item No. Rev	Item No. Rev	Item No. Rev	Item No. Rev
4145547				
Customer Part No.				
1.2502				
Applicable Specifications, Revisions and Exceptions				
COMPOSITION NOTE: The values for 'Other Ends' and 'Other Test' have met the limits as shown on this certified inspection report. Remainder is Aluminum.				

Legal Statement

We hereby certify that, unless otherwise indicated, the material covered by this report has been manufactured, inspected, and tested in accordance with, and has been found to meet, the applicable requirements described herein, including any specifications forming a part of the description and that samples representative of the material met the composition and had the mechanical properties shown on the face of this certification. Also, note that mercury is not a normal constituent in aluminum alloys and neither it nor any of its compounds are used in the manufacture of our product. This certification is not to be reproduced in partial form without prior written approval of our Quality Assurance Dept.

Signature And Title

Dave A. Leland

Dave A. Leland

Tech/Quality Manager

07-OCT-10

Quantities per Lot/Packages

Package Number	Lot Number	Quantity	UOM	Weight	Net
G12-PKG1312034	20589458	14	PCS	498	492
G12-PKG1312035	20589458	14	PCS	498	492
G12-PKG1312036	20589458	14	PCS	498	492
G12-PKG1312037	20589458	14	PCS	498	492

Composition Limits

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
ALUMINUM PLATE BAR 6061 T6511
1.250" X 2.000" X 144.8000"
PART NO.

PO/Ref 13280

/CHANTAL

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BLPEC-691794-009

1/10/11

Page 1/2

Signed by:

sapa

Sapa Industrial Extrusions
33 FOTTSVILLE STREET

CRESSONA, PA

17929-0187

Certified Inspection Report

Sales Order Number

1100249469

Line No.

9

Customer IFO

PEC-225016-9

Cert Number

SAPA202249

Cert Creation Date

07-OCT-10

Page

Page 2 of 2

Cert Print Date

03-OCT-10

Alloy	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
6061	0.48	0.60	—	0.70	0.15	0.40	—	0.15	0.80	1.90	0.04	0.35	—	0.25
Alloy	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
6061	—	0.15	—	—	—	—	0.05	—	0.15	—	—	—	—	—

Composition Results

Heat/Cast	Si	Fe	Cu	Al	Mg	Cs	Ph	Tr	Mn	Pb	Others Exp	Others Test
5034450	0.58	0.48	0.31	0.09	0.88	0.08	0.12	0.02	—	—	—	—

Mechanical Property - Test Limits

			UTS - L		TYS - L		EL-40-Long	
			ksi		ksi		psi	
			-		-		-	
TEST	DATE	TIME	UTS	UTS	TYS	TYS	EL-40	EL-40
YES11	28599438	1	48.6	80.3	43.1	47.3	34.1	11.2

Cert Notes

Products manufactured with a T6511 temper also meet T6 temper requirements.

Yield strength has been determined by the 0.2% offset method.

All Alloys Produced at Sapa Industrial Extrusions comply with 0.4% Maximum Lead per Alloy, with the exception of 6062 alloy.

In accordance with EN 10204, Test Report Type 3.2 and Certificate Type 3.1.

Made in the USA or Other Qualified Countries as defined by DFARS 23.572.1.

Made in USA

THYSSENKRUPP MATERIALS NA
DART AEROSPACE
 400 X 144-0000
 ALUMINUM HEXAGON BAR 6061-T6511
 PARTING

PO/Rol 17380 /CHANTAL
 We certify that this is a true copy of the report
 furnished by the producer of the metal, or data
 resulting from tests made in approved lab.

Signed by:

Certificate of Mill Test Results
 BE PEC 691794-010
 R780111
 05/17

sapa:
 Sapa Industrial Structures
 53 POTTSMILLE STREET
 CRESSKOP, PA
 17929-0107
 Sapa Extrusions Inc. a Subsidiary of Sapa AB

Letter To Customer
 THYSSENKRUPP MATERIALS NA INC
 2811 LANCASTER ROAD
 ATTN: ACCOUNT PAYABLE

Ship To Customer
 CONCORD, ON - LAR-SC6

THYSSENKRUPP MATERIALS NA INC
 2811 LANCASTER ROAD

CONCORD, ON - LAR-SC6

Certified Inspection Report

Cent Number	SAPAZ08473	Page	1 of 2
Cent Creation Date	15-APR-10	Cent Mod Date	15-APR-10

Select Order Number 1100123854
 Line No. 7
 (Customer PO) PEC-2202673

Quantity Shipped 1270 LB
 Date Shipped 15-APR-10

Part No. 14306750
 Delivery M
 Customer Part No. 4097006
 580352

Item Description
 Extruded B20N-Q4HEX
 Plus
 1,000 HEX 4-.006
 SECT 500352
 14,000 IN LN
 FOR M-MILL
 W/P 1018 V 3 CS 12
 6061/T6511
 (Working CONTINUOUS)

Specification
 ASTM B221 REV 08
 A455-QQ-A-2008 REV

Applicable Specifications, Reprints and Comments

COMPOSITION NOTE: The values for "Others Total" and "Others Total" have not the limits as shown on this certified inspection report. Remanufacture is Allowed.

Signature and Title

David A. Lohmeyer
 David A. Lohmeyer
 Technical Quality Manager

15-APR-10

Quantities per Lot / Packages

Package Number	Lot Number	PCS	Weight
612-PC0215301	20448328	1277	1270

Composition Limits									
Alloy	Si	Fe	Cu	Mn	Mg	Al	Max	Min	Max
6061	0.40	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
	0.40	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
	0.40	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
	0.40	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
	0.40	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
	0.40	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
	0.40	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
	0.40	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
	0.40	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
ALUMINUM HEXAGON BAR 6061-T6511
1.00" X 1.44" 0000
PART NO.

PO/Ref: 13280 /CHANTAL

We certify that this is a true copy of the report
provided by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BE PEC-691794-010

17Jan11

pg 2/2

Signed by:

sapa:

Sapa Industrial Extrusions
13 FORTYVILLE STREET
CRENSHAW, PA
17929-0187

Certified Inspection Report

Sales Order Number

Line No.

Customer PO

100173884

7

PEC-220267-7

Cert Number

Page

SAPA208473

Page 2 of 2

Cert Creation Date

Cert Print Date

15-APR-10

15-APR-10

Alloy	T5		T6		T6		Others Each		Others Total	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
6061	---	0.15	---	---	---	---	---	0.05	---	0.15

Composition Results

Heat / Cast	Si	Pb	Cu	Mn	Mg	Cr	Zn	Ti	Al	Pb	Others Each	Others Total
4822191	0.57	0.35	0.29	0.83	0.98	0.08	0.06	0.03	---	---	---	---

Mechanical Property - Test Results

Test Type			UTS - L		TYS - L		EL-40-Long	
GOM			KSI		KSI		PCT	
# of Test			MIN Value		MAX Value		MIN Value	
Test Temper	Lot Number	# of Test	MIN Value	MAX Value	MIN Value	MAX Value	MIN Value	MAX Value
T6511	20448128	2	46.5	48.7	43.0	44.9	14.1	14.2

Cert Notes

Products manufactured with a T6511 temper also meet T6 temper requirements.

Yield strength has been determined by the 0.2% offset method.

All Alloys Produced at Sapa Industrial Extrusions comply with 0.4% Maximum Lead per RoHS, with the exception of 6061 alloy.

In accordance with EN 10204, Test Report Type 2.3 and Certificate Type 3.1

Made in the USA or Other Qualified Countries as Defined by DEFARS 225.812.1

Made in USA

